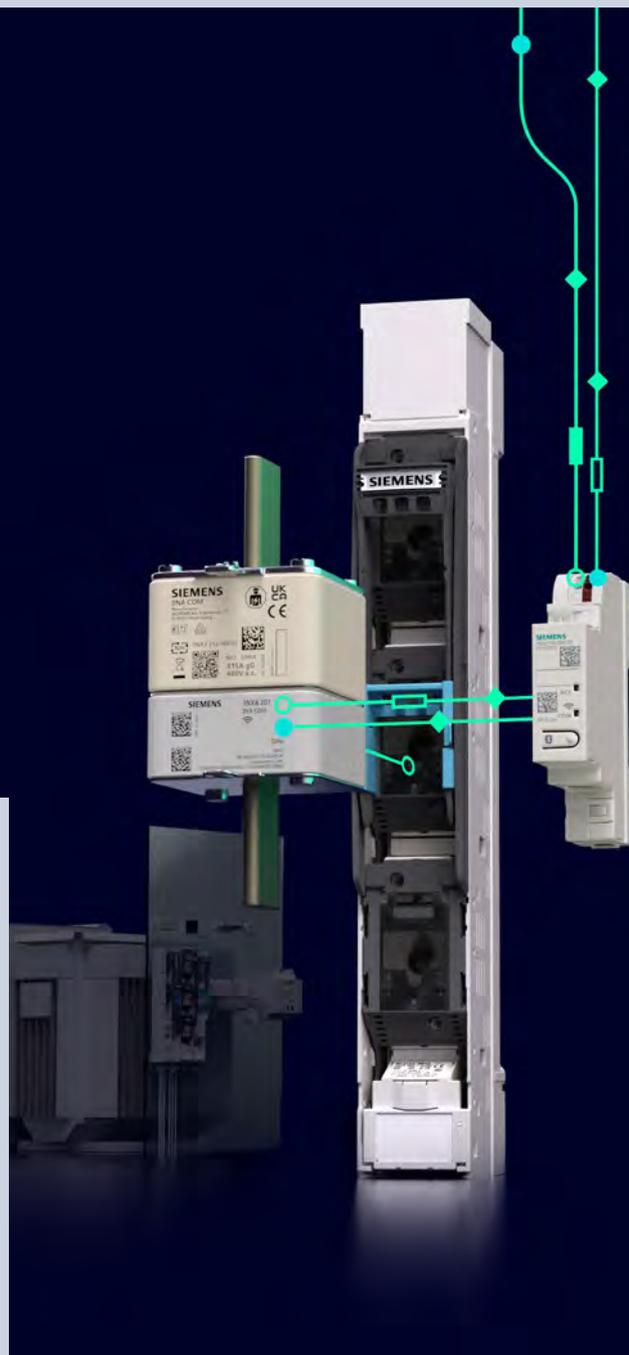


## Mandatory basic protection in electrical installations

Overcurrents in electrical installations occur as a result of excessive load or short-circuits and can cause serious accidents, fires and financial damage. Appropriate protection devices have therefore been mandatory ever since electricity was first harnessed to power equipment. As a pioneer in fuse systems, we offer you the complete range of devices for the protection of cables as well as electrical devices and installations in the event of overloads and short-circuits.

Fuses are capable of safely switching off circuits as soon as an overload or short-circuit occurs. This prevents damage to electrical equipment or extended power failures. Specific variants of fuse systems are used for different applications.

Among other things, our fuses are used for protecting cables and lines, switching devices and semiconductors as well as in photovoltaics and wind power.



# Fuse Systems

All the information you need	7/2
System overview	7/4
Overview of fuse systems according to IEC	7/6
Fuse holders and bases	7/8
Quick selection guide	7/8
MINIZED fuse switch disconnectors	7/14
MINIZED switch disconnectors with fuses	7/15
NEOZED bus-mounting switch disconnectors with fuses	7/16
NEOZED fuse bases	7/18
DIAZED fuse bases	7/20
Bus-mounting bases for busbar systems	7/22
LV HRC fuse bases	7/24
Cylindrical fuse holders	7/26
Fuse holders and bases for SITOR semiconductor fuses	7/27
Fuse holders and bases for photovoltaic fuses	7/28
Class J fuse holders	7/30
Class CC fuse holders	7/31
Fuse links	7/32
Quick selection guide	7/32
NEOZED fuse links	7/34
DIAZED fuse links	7/35
SILIZED fuse links	7/36
LV HRC fuse links	7/38
3NA3 COM LV HRC fuse links with measuring and communication functions	7/52
3NA6 COM LV HRC fuse links with measuring and communication functions <b>new</b>	7/54
Cylindrical fuse links	7/58
SITOR semiconductor fuse links, LV HRC design (AC/DC)	7/60
SITOR semiconductor fuse links, LV HRC design (DC)	7/76
SITOR semiconductor fuses, cylindrical fuse design (AC/DC)	7/82
Photovoltaic fuse links	7/90
Class CC fuse links	7/92
Accessories	7/94
Busbars	7/94
LV HRC signal detectors, electronic fuse monitoring	7/100

# A multitude of additional information ...

## Information + ordering

### All the important things at a glance

For information about fuse systems, please visit our website [www.siemens.com/fuses](http://www.siemens.com/fuses)

### Your product in detail

The SiePortal platform (knowledge base) provides comprehensive information  
[www.siemens.com/lowvoltage/product-support](http://www.siemens.com/lowvoltage/product-support)

- Technology Primer
  - Fuse systems (109482303)

The relevant tender specifications can be found at [www.siemens.com/tenderspecifications](http://www.siemens.com/tenderspecifications)

Use our conversion tool for quick and easy conversion to Siemens products [www.siemens.com/conversion-tool](http://www.siemens.com/conversion-tool)

### Siemens YouTube channel

- Siemens fuse systems [sie.ag/2J9ihb](http://sie.ag/2J9ihb)

### Electrical Designer

With the Electrical Designer in the TIA Selection Tool, it is possible to design and dimension the electrical equipment of a machine in conformity with the standards – from the suitable switching devices to the correctly dimensioned cables

[www.siemens.com/controlpanel/electrical-designer](http://www.siemens.com/controlpanel/electrical-designer)

### Everything you need for your order

Refer to SiePortal to find an overview of your products (product catalog)

- Fuse systems [sie.ag/2kW3pnU](http://sie.ag/2kW3pnU)

Direct forwarding to the individual products in SiePortal by clicking on the article number in the catalog or entering this web address incl. article number  
[www.siemens.com/product\\_catalog\\_SIEP?Article No.](http://www.siemens.com/product_catalog_SIEP?Article No.)

### Configurators

The configurator reduces the time and effort required in the planning and ordering process, and allows for individual adaptations. Configure your fuse systems under [www.siemens.com/lowvoltage/fusesystems-configurator](http://www.siemens.com/lowvoltage/fusesystems-configurator)

## The fast track to the experts

### Contact persons in your region

We offer a comprehensive portfolio of services. You can find your local contacts at [www.siemens.com/lowvoltage/components/contact](http://www.siemens.com/lowvoltage/components/contact)

You will find further information on services at [www.siemens.com/service-offers](http://www.siemens.com/service-offers)

Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

Assistance with technical queries is provided at [www.siemens.com/support-request](http://www.siemens.com/support-request)

# ... can be found in our online services

## Commissioning + operation

### Your product in detail

The SiePortal platform (knowledge base) provides detailed technical information

[www.siemens.com/lowvoltage/product-support](http://www.siemens.com/lowvoltage/product-support)

- Operating instructions
- Characteristic curves
- Certificates

Online Support app available for download from the [App Store](#) and [Play Store](#)

You will find further information at

[www.siemens.com/support-app](http://www.siemens.com/support-app)

Provision of 3D data (step and u3d data formats)

- SiePortal (product catalog)  
[www.siemens.com/lowvoltage/product-catalog](http://www.siemens.com/lowvoltage/product-catalog)
- Image database  
[www.siemens.com/lowvoltage/picturedb](http://www.siemens.com/lowvoltage/picturedb)

Engineering data for CAD or CAE systems are available in the CAx Download Manager at

[www.siemens.com/cax](http://www.siemens.com/cax)

### Manuals

Manuals can be found in SiePortal at

[www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals)

- Configuration Manual
  - Fuse systems **(45314810)**
- Planning Manual
  - Planning with SIVACON 8PS **(109478425)**
- Installation Manual
  - Circuit protection devices with communication and measuring function **(109791805)**
- System Manual
  - Circuit protection devices with communication and measuring function **(109791806)**



### Face-to-face or online training

Our training courses can be found at

[www.siemens.com/sitrain-lowvoltage](http://www.siemens.com/sitrain-lowvoltage)

- SENTRON circuit protection devices with measuring and communication function (WT-LVBCOM)

### Technical overview – Fuse systems



#### The fast way to get you to our online services

This page provides you with comprehensive information and links on fuse systems

[www.siemens.com/lowvoltage/product-support](http://www.siemens.com/lowvoltage/product-support) **(109769085)**

# System overview

## Fuse holders and bases

### IEC fuse holders and bases



MINIZED



NEOZED



DIAZED



Bus-mounting bases  
for busbars



Photovoltaic fuses  
(LV HRC design)

### IEC/UL fuse holders and bases



LV HRC fuses



Cylindrical  
fuses



SITOR semiconductor  
fuses (LV HRC design)



SITOR semiconductor fuses  
(cylindrical fuse design)



Photovoltaic fuses  
(cylindrical fuse design)

### UL fuse holders and bases



Class CC



Class J

### Accessories for fuse holders and bases



Covers



Screw caps



Adapter sleeves



Isolating blades



LV HRC signal detectors

### Busbars and accessories



Can be cut



Terminals



Touch protection



End caps

**Note:**

You will find a detailed range of accessories with the basic units.

## Fuse links

### IEC fuse links



NEOZED



DIAZED



LV HRC

LV HRC  
(3NA COM)Cylindrical  
fuses

SILIZED



SILIZED

Photovoltaic fuses  
(LV HRC design)Photovoltaic fuses  
(cylindrical fuse design)

### IEC/UL fuse links

SITOR semiconductor fuses  
(LV HRC design)SITOR semiconductor fuses  
(cylindrical fuse design)

### UL fuse links



Class CC

#### Note:

You will find a detailed range of accessories with the basic units.



Overview, see page 7/32



IEC	IEC	IEC	IEC/UL	IEC/UL	IEC	UL
2 ... 1250 A	80 ... 315 A	0.5 ... 100 A	2 ... 2400 A	1 ... 125 A	2 ... 630 A	0.5 ... 30 A
400 ... 690 V	400 V	400 ... 690 V	500 ... 2500 V	600 ... 1500 V	-	600 V
250 ... 400 V	250 V	-	440 ... 3000 V	250 ... 1000 V	1000 ... 1500 V	150 ... 300 V
LV HRC	LV HRC	Cylindrical	SITOR LV HRC	SITOR cylindrical	Photovoltaic	Class CC
■	■	■	-	-	-	■
■	-	■	-	-	-	■
-	-	-	■	■	-	-
-	-	-	-	-	■	-
-	-	-	■	■	-	-
3NA, 3ND	3NA COM	3NW6, 3NW8	3NE, 3NC	3NC10	3NE..., 3NW...	3NW1, 3NW2, 3NW3
See page 7/38, 7/50	See page 7/54	See page 7/58	See page 7/60, 7/64	See page 7/84	See page 7/90	See page 7/92
-	-	-	-	-	-	-
-	-	-	-	-	-	-
■	■	-	■	-	-	-
-	-	-	-	-	■	-
-	-	■	-	-	-	■
-	-	-	-	■	-	-
-	-	-	-	-	■	-
■	■	-	■	-	-	-
-	-	-	-	-	-	-
■	■	-	-	-	-	-
■	■	-	(■)	-	-	-
-	-	-	■	-	-	-
■	■	-	-	-	-	-
-	-	-	-	-	-	-

# Quick selection guide of fuse holders, bases and D0 fuse switching devices

## IEC



**MINIZED**  
switch discon-  
nectors with  
fuses

**MINIZED**  
fuse switch  
disconnectors

**NEOZED**  
fuse bases

**NEOZED**  
comfort bases

**NEOZED**  
fuse bases

### Basic data

Size/for fuses of size	D02	D01	D01	D02	D03	D01, D02	D01, D02
Type	5SG71	5SG76	5SG15 5SG55	5SG16 5SG56	5SG18	5SG1301 5SG1701 5SG5301 5SG5701	5SG1302 5SG1702 5SG5302 5SG5702
Direction of incoming supply	Any	Any	From below			From below	From below

### Standards

Standards	DIN VDE 0638; IEC/EN 60947-3 (VDE 0660-107) IEC/EN 60947-3	DIN VDE 0638; IEC/EN 60947-3 (VDE 0660-107) IEC/EN 60947-3	IEC 60269-3; DIN VDE 0636-3			IEC 60269-3; DIN VDE 0636-3	IEC 60269-3; DIN VDE 0636-3
Approvals	–	–	–			–	–
Certifications	–	–	–			–	–

### Technical specifications AC

Rated voltage $U_n$	V AC	230/400, 240/415	230/400, 240/415	400	400	400	–	–
Rated insulation voltage	V AC	500	690	–	–	–	–	–
Short-circuit strength	kA AC	50	50	50	50	50	50	50
Rated current $I_n$	A	63	16	16	63	100	16/63	16/63
Rated impulse withstand voltage	kV AC	6	6	–	–	–	–	–
Utilization category	Acc. to VDE 0638	A	AC-22	AC-22	–	–	–	–
	Acc. to EN 60947-3	A	AC-22B, AC-23B (35A)	AC-22A	–	–	–	–

### Technical specifications DC

Rated voltage $U_n$	V DC	65 (1P), 130 (2P)	48 (1P), 110 (2P)	250	250	250	–	–
Short-circuit strength	kA DC	–	–	8	8	8	8	8
Utilization category	Acc. to EN 60947-3	A	DC-22B	–	–	–	–	–

### Further technical specifications

Overvoltage category		IV	IV	–	–	–	–	–
Max. power dissipation of fuse links (conductor cross-section used)	W	–	–	–	–	–	–	–
Pollution degree		–	–	–	–	–	–	–

### Further information

See page 7/15

See page 7/14

See page 7/18

## IEC



DIAZED fuse bases	Cylindrical fuse holders		NEOZED bus-mounting bases for 8US 60 mm compact busbar systems	NEOZED bus-mounting bases for 8US 60 mm busbar systems	DIAZED bus-mounting bases for 8US 60 mm busbar systems	
NDz, DII, DIII	8 × 32 mm	22 × 58 mm	D02	D02	DII	DII
5SF	3NW73..	3NW72..	5SG6208	5SG6202 5SG6206 5SG6207	5SF6015 5SF6020	5SF6215 5SF6220
From below	Any		From the busbar	From the busbar	From the busbar	
IEC 60269-3; DIN VDE 0635; DIN VDE 0636-3; CEE 16	IEC 60269-1, -2, -3; NF C 60-200, NF C 63-210, -211; NBN C 63269-2-1; CEI 32-4, -12; UL 4248-1		IEC 60269-3, DIN VDE 0636-3	IEC 60269-3, DIN VDE 0636-3	IEC 60269-3, DIN VDE 0636-3	IEC 60269-3, DIN VDE 0636-3
–	UL File number E171267		–	–	–	–
–	–	–	–	–	–	–
500, 690, 750	400	690	400	400	500	690
–	–	–	–	–	–	–
50	20	100	–	–	–	–
2 ... 100	20	100	63	63	25	63
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	AC-20B (switching without load)		–	–	–	–
500, 600, 750	–	–	250	250	–	600
–	–	–	8	8	8	8
–	DC-20B (switching without load)		–	–	–	–
III; II (DIAZED fuse bases made of molded plastic for use at 690 V AC/ 600 V DC)	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
See page 7/20	See page 7/26		See page 7/22			

# Quick selection guide of LV HRC fuse bases **new**

IEC

LV HRC fuse bases  
plastic

IEC/UL

LV HRC fuse bases  
steel/ceramic

## Basic data

Size/for fuses of size	000/00	1	2	3	000/00	1	2	3	4
Type	3NH1030 3NH1032 3NH2030 3NH2032	3NH1230 3NH2230	3NH1330 3NH2330	3NH1430	3NH6030 3NH8030	3NH6220 3NH6230 3NH8230	3NH6320 3NH6330	3NH6420 3NH6430	3NH3530
Direction of incoming supply	Any				Any				

## Standards

Standards	IEC 60269-2; EN IEC 63000:2018; DIN VDE 0636-2;				IEC 60269-1, -2; EN60269-1; DIN VDE 0636-2; UL 4248-1 (only downstream from the branch protection)				
Approvals	CCC on request				cURus, CCC on request				
Certifications	IEC 61373 Cat. 1B Railway equipment				DNV, IEC 61373 Cat. 1B Railway equipment				

## Technical specifications AC

Rated voltage	$U_n$	V AC	690	690	690	690	690 <sup>1)</sup>	690 <sup>1)</sup>	690 <sup>1)</sup>	690 <sup>1)</sup>	690
	$U_n$ acc. to UL	V AC	–	–	–	–	690	690	690	690	690
	$U_n$ acc. to CSA	V AC	–	–	–	–	690	690	690	690	690
Rated insulation voltage		V AC	–	–	–	–	–	–	–	–	–
Short-circuit strength		kA AC	120 kA				120 kA				
Rated current	$I_n$	A	160	250	400	630	160	250	400	630	1250
	$I_n$ acc. to UL	A	–	–	–	–	160	250	400	630	–
	$I_n$ acc. to CSA	A	–	–	–	–	160	250	400	630	–
Rated impulse withstand voltage		kV AC	–	–	–	–	–	–	–	–	–
Utilization category	Acc. to VDE 0638	A	–	–	–	–	–	–	–	–	–
	Acc. to DIN EN 60947-3	A	–	–	–	–	–	–	–	–	–

## Technical specifications DC

Rated voltage	$U_n$	V DC	690	690	690	690	690 <sup>1)</sup>	690 <sup>1)</sup>	690 <sup>1)</sup>	690 <sup>1)</sup>	440
	$U_n$ acc. to UL	V DC	–	–	–	–	690	690	690	690	–
	$U_n$ acc. to CSA	V DC	–	–	–	–	690	690	690	690	–
Short-circuit strength		kA DC	120 kA				120 kA				25 kA
Utilization category	Acc. to DIN EN 60947-3	A	–	–	–	–	–	–	–	–	–

## Further technical specifications

Overvoltage category			–	–	–	–	–	–	–	–	–
Max. power dissipation of fuse links (conductor cross-section used)	W		12	32	45	60	12	32	45	60	90
Pollution degree			–	–	–	–	–	–	–	–	–

## Further information

See page 7/24

See page 7/24

<sup>1)</sup> Extended rated voltage up to 1000 V

IEC



UL



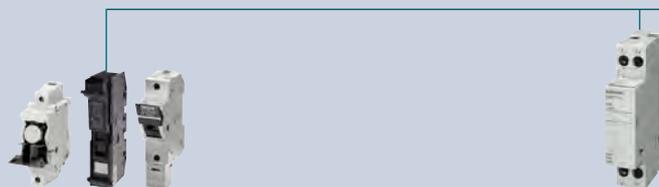
**LV HRC fuse bases  
steel/ceramic  
(special sizes, PV and DC applications)**

1L	2L	3L	1XL	2XL
3NH6260	3NH6360	3NH6460	3NH6261	3NH6361
Any				
IEC 60269-1, -2, -6; EN 60269-6:2011; DIN VDE 0636-1, -2, -6				
-	-	-	-	UL
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
30 kA				
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
1500	1500	1500	1500	1500
-	-	-	-	-
-	-	-	-	-
30 kA				
-	-	-	-	-
-	-	-	-	-
32	45	60	32	45
-	-	-	-	-

See page 7/24

# Quick selection guide of fuse holders

IEC/UL



			Fuse holders for SITOR semiconductor fuses (cylindrical fuse design)				Cylindrical fuse holders	
Basic data			10 × 38 mm	14 × 51 mm	22 × 58 mm	22 × 127 mm	10 × 38 mm	14 × 51 mm
Size/for fuses of size			10 × 38 mm	14 × 51 mm	22 × 58 mm	22 × 127 mm	10 × 38 mm	14 × 51 mm
Type <sup>1)</sup>			3NC10	3NC14	3NC22	3NC23	3NW70.. 3NW703.-1	3NW71..
Direction of incoming supply			Any				Any	
Standards			UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3	UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3	UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3	IEC 60269-2, IEC 60947-3	IEC 60269-1, -2, -3; NF C 60-200, NF C 63-210, -211; NBN C 63269-2-1; CEI 32-4, -12; UL 4248-1	
Approvals			UL 4248-1; UL File number E171267; CSA C22.2 No. 39-M			–	UL File number E171267	
Certifications			UL, CSA	UL, CSA	UL, CSA	–	UL, CSA	UL
Technical specifications AC								
Rated voltage	$U_n$	V AC	690	690	690	1500	690	690
	$U_n$ acc. to UL	V AC	600	600	600	–	600	700
	$U_n$ acc. to CSA	V AC	–	–	–	–	–	–
Rated insulation voltage		V AC	–	–	–	–	–	–
Short-circuit strength		kA AC	50	50 (100 at 400 V)	50 (100 at 500 V)	30	100	100
Rated current	$I_n$	A	32	50	100	63	32	50
	$I_n$ acc. to UL	A	30	50	80	–	–	–
	$I_n$ acc. to CSA	A	30	40	80	–	–	–
Rated impulse withstand voltage		kV AC	6	6	6	–	–	–
Utilization category	Acc. to VDE 0638	A	–	–	–	–	–	–
	Acc. to EN 60947-3	A	AC-22B (400 V)	AC-22B (400 V)	AC-20B (690 V)	AC-20B	AC-20B (switching without load)	
Technical specifications DC								
Rated voltage	$U_n$	V DC	800			1000	–	–
	$U_n$ acc. to UL	V DC	–	–	–	–	–	–
	$U_n$ acc. to CSA	V DC	–	–	–	–	–	–
Short-circuit strength		kA DC	–	–	–	50	–	–
Utilization category	Acc. to EN 60947-3	A	–	–	–	DC-20B	DC-20B (switching without load)	
Further technical specifications								
Overvoltage category			–	–	–	–	–	
Max. power dissipation of fuse links (conductor cross-section used)	W		3 (6 mm <sup>2</sup> ), 4.3 (10 mm <sup>2</sup> )	5 (10 mm <sup>2</sup> ), 6.5 (25 mm <sup>2</sup> )	9.5 (35 mm <sup>2</sup> ), 11 (50 mm <sup>2</sup> )	15 (1 ... 50 mm <sup>2</sup> )	–	
Pollution degree			2	2	2	–	–	
Further information			See page 7/27				See page 7/26	

<sup>1)</sup> Types with UL approval and types with CSA approval may differ

IEC/UL

UL



Cylindrical fuse holders for PV fuses		Class CC fuse holders	Class J fuse holders				
10 × 38 mm	10 × 85 mm	–	–				
3NW70...-4	3NW76...-4	3NW75.3-0HG 3NW753.-1HG	3NW75.3-3HG, 3NW75.3-5HG, 3NW75.3-6HG, 3NW75.3-7HG, 3NW75.3-8HG, 3NW7431-6HG, 3NW7431-7HG, 3NW7431-8HG				
Any		Any	Any				
IEC 60269, IEC 60269-2, IEC 60947, UL 4248-1, -18	IEC 60269, IEC 60269-2, IEC 60947, UL 4248-1, -18	UL 4248-1; CSA C22.2	UL 4248-1 Ed.1, UL 4248-8 Ed.1				
(File number E469670, CCC) (types without signal detector)	(E355487)	UL 4248-1; UL File number E171267; CSA C22.2	UL File number E171267; CSA File number 233322; Class number 6225-01				
–	–	–					Busbar device:
–	–	–	–	–	–	–	–
–	–	600	600	600	600	600	600
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	200	200	200	200	200	200
30	32	30	30	60	100	200	400
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
6	–	6	No information as the devices are only tested and certified to UL/CSA and not to IEC				
–	–	–	–				
–	–	AC-20B (switching without load)	AC-20B (switching without load)				
1000	1500	300	–	–	–	–	–
–	–	–	600	600	600	600	600
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	DC-20B (switching without load)	DC-20B (switching without load)				
II	–	II	No information as the devices are only tested and certified to UL/CSA and not to IEC				
4	6	3 (6 mm <sup>2</sup> ), 4.3 (10 mm <sup>2</sup> )	–				
2	–	2	No information as the devices are only tested and certified to UL/CSA and not to IEC				
See page 7/28		See page 7/31	See page 7/30				

# MINIZED fuse switch disconnectors

		Number of poles				
		1P	1P+N	2P	3P	3P+N
						
Size	$I_n$					
D01	2 ... 6 A	5SG7611-0KK06	–	–	5SG7631-0KK06	–
	10 A	5SG7611-0KK10	–	–	5SG7631-0KK10	–
	16 A	5SG7611-0KK16	5SG7651-0KK16	5SG7621-0KK16	5SG7631-0KK16	5SG7661-0KK16

**Note:**

NEOZED adapter sleeves are not required for these devices

7

## Accessories

### Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

$U_e$ AC	$I_n$	$U_c$	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

# MINIZED switch disconnectors with fuses

		Number of poles				
		1P	1P+N	2P	3P	3P+N
						
Size	$I_n$					
D02	25 A	–	–	–	5SG7133-8BA25 <sup>1)</sup>	–
	35 A	–	–	–	5SG7133-8BA35 <sup>1)</sup>	–
	50 A	–	–	–	5SG7133-8BA50 <sup>1)</sup>	–
	63 A	5SG7113	5SG7153	5SG7123	5SG7133	5SG7163

<sup>1)</sup> Versions for Austria only, with permanently fitted adapter sleeves and incl. fuse link

## Note:

NEOZED adapter sleeves are required for these devices, [see page 7/18](#)  
Use fuse links from 35 A with silver-plated contact caps, [see page 7/34](#)

## Accessories

### Reducers



Use	Article No.
For D01 fuse links in MINIZED switch disconnectors with fuses D02	5SH5527

### Auxiliary switches (AS)



Version	Article No.
1 NO + 1 NC	5ST3010
2 NO	5ST3011
2 NC	5ST3012

### Auxiliary switches (AS) with TEST button



Version	Article No.
1 NO + 1 NC	5ST3010-2
2 NO	5ST3011-2
2 NC	5ST3012-2

### 5ST3 COM Auxiliary switches and fault signal contacts (AS+FC) with measuring and communication functions



<ul style="list-style-type: none"> <li>Wireless information about manual ON/OFF, temperature, operating cycles, operating hours, warnings</li> </ul>	Article No.
	5ST3062-OMC

### Electronic fuse monitor



<ul style="list-style-type: none"> <li>For all low-voltage fuse systems</li> <li>For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact</li> <li>Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors</li> <li>Signal also for disconnected loads</li> </ul>	Article No.						
<table border="1"> <thead> <tr> <th><math>U_e</math> AC</th> <th><math>I_n</math></th> <th><math>U_c</math></th> </tr> </thead> <tbody> <tr> <td>230 V</td> <td>4 A</td> <td>3 AC 380 ... 415 V</td> </tr> </tbody> </table>	$U_e$ AC	$I_n$	$U_c$	230 V	4 A	3 AC 380 ... 415 V	5TT3170
$U_e$ AC	$I_n$	$U_c$					
230 V	4 A	3 AC 380 ... 415 V					

# NEOZED bus-mounting switch disconnectors with fuses

For 8US 60 mm busbar systems

Mounting width	Size D02		
	1.5 MW	1.5 MW	1.5 MW
			

For flat copper profiles	$I_n$ IEC	UL 508	$U_n$			Standard	Without LED signal detector			With LED signal detector
			IEC AC	IEC DC	UL 508					
<b>Box terminals</b>										
5 mm and 10 mm	63 A <sup>1)</sup>	–	400 V AC	–	–	IEC	5SG7234-1	–	5SG7234-2	
	63 A <sup>2)</sup>	–	400 V AC	110 V DC	–	IEC	–	5SG7230	–	

<sup>1)</sup> In the case of permanent load over 35 A, we recommend the use of lateral module 5SH5533. Please observe EN 60439-1, Table 1.  
<sup>2)</sup> In the case of permanent load over 35 A, we recommend the use of lateral module 5SH5526. Please observe EN 60439-1, Table 1.

7

## Suitable accessories

### Auxiliary switches



- For signaling the switching state for bus-mounting switch disconnectors

Contacts	Mounting width	Article No.	Article No.	Article No.
1 CO	0.5 MW	–	5SH5525	–

### Lateral modules



- For greater heat dissipation for loads from 35 A

Mounting width	Article No.	Article No.	Article No.
0.5 MW	5SH5533	5SH5526	5SH5533

### Reducers



- Use
- For NEOZED D01 fuse links in bus-mounting switch disconnectors

Use	Article No.	Article No.	Article No.
For NEOZED D01 fuse links in bus-mounting switch disconnectors	5SH5527	5SH5527	5SH5527

### Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

$U_e$ AC	$I_n$	$U_c$	Article No.	Article No.	Article No.
230 V	4 A	3 AC 380 ... 415 V AC	5TT3170	5TT3170	5TT3170

See Busbar systems, [from page 13/1 onwards](#)



# NEOZED fuse bases

Number of poles	Comfort bases made of molded plastic		Fuse bases made of molded plastic				
	1P	3P	Without LED signal detector		With LED signal detector		
							
Size	$I_n$						
D01	16 A	5SG1301	5SG5301	5SG1302	5SG5302	5SG1302-1	5SG5302-1
D02	63 A	5SG1701	5SG5701	5SG1702	5SG5702	5SG1702-1	5SG5702-1
D03	100 A	–	–	–	–	–	–

## Accessories

### NEOZED screw caps

	Material	Version	Fuse size	Article No.
	Molded plastic	With inspection hole	D01	5SH4116
			D02	5SH4163
	Ceramic	Without inspection hole, sealable	D01	5SH4316
			D02	5SH4363
		Without inspection hole	D03	5SH4100
			With inspection hole	D01
D02	5SH4362			

### NEOZED adapter sleeves

	Fuse size	$I_n$	Color	Article No.
	D01	2 A	Pink	5SH5002
		4 A	Brown	5SH5004
		6 A	Green	5SH5006
		10/13 A	Red	5SH5010
	D02	20 A	Blue	5SH5020
		25 A	Yellow	5SH5025
		32 A	Violet	5SH5032
		35/40 A	Black	5SH5035
		50 A	White	5SH5050
	D03	80 A	Silver	5SH5080
	D01 fuse links in D02 base or MINIZED switch disconnectors with fuses D02	2 A	Pink	5SH5402
		4 A	Brown	5SH5404
		6 A	Green	5SH5406
		10/13 A	Red	5SH5410
		16 A	Gray	5SH5416

Fuse bases made of ceramic					
With clamp-type terminal, on both sides		With saddle terminal, on both sides		With screw head contact at incoming feeder, clamp-type terminal at outgoing feeder	
1P	3P	1P	3P	1P	3P
					
5SG1553	5SG5553	–	–	–	–
–	–	5SG1653	5SG5653	5SG1693	5SG5693
–	–	–	–	5SG1812	–

## NEOZED covers



Fuse size  
D03

Article No.  
5SH5233

## NEOZED adapter sleeve fitters



Article No.  
5SH5100

## NEOZED retaining springs



Use  
For D01 fuse links in D02 screw caps, 2 ... 16 A

Article No.  
5SH5400

## Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

$U_e$ AC	$I_n$	$U_c$	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

# DIAZED fuse bases

Size	$I_n$	$U_n$ AC/DC	Fuse bases made of molded plastic With box terminal		Fuse bases made of ceramic With clamp-type terminal, on both sides
			Number of poles	1P	3P
DII	25 A	500 V/500 V			
DIII	63 A	500 V/500 V			
		750 V/750 V			
			5SF1060	5SF5068	5SF1005
			5SF1260 <sup>1)</sup>	5SF5268 <sup>1)</sup>	–
			–	–	–

<sup>1)</sup> Can also be used for 690 V AC/600 V DC.

7

## Accessories

### DIAZED screw caps

	Material	Version	Fuse size	Rated voltage AC/DC	Article No.
	Molded plastic	With inspection hole	NDz	500 V/500 V	5SH1112
			DII	500 V/500 V	5SH1221
			DIII	500 V/500 V	5SH1231
	Ceramic	Without inspection hole	DII	500 V/500 V	5SH112
			DIII	500 V/500 V	5SH113
		With inspection hole, sealable	DII	500 V/500 V	5SH122
			DIII	500 V/500 V	5SH123
		Extended version	DIII	690 V/600 V	5SH1170
		With fine thread	DIII	750 V/750 V	5SH1161

### DIAZED screw adapters

- Also for 5SF230 up to 750 V

Fuse size	$I_n$	Article No.	
	DII	2 A	5SH310
		4 A	5SH311
		6 A	5SH312
		10 A	5SH313
		16 A	5SH314
		20 A	5SH315
		25 A	5SH316
	DIII	32 A	5SH327
		35 A	5SH317
		50 A	5SH318
		63 A	5SH320

With clamp-type terminal  
at incoming feeder, saddle  
terminal at outgoing feeder

1P



-

5SF1205<sup>1)</sup>

-

With screw head contact,  
on both sides

1P



-

-

5SF4230

#### DIAZED reduction sleeves for screw caps



##### Use

For DII fuse links in DIII base

##### Article No.

5SH302

#### DIAZED screw adapter keys



##### Use

For DII/DIII screw adapters

##### Article No.

5SH3703

#### DIAZED cover rings



##### Fuse size

DII

##### Material

Molded plastic

##### Article No.

5SH3401

DIII

Molded plastic

5SH3411

#### Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

##### $U_e$ AC

230 V

##### $I_n$

4 A

##### $U_c$

3 AC 380 ... 415 V

##### Article No.

5TT3170

# Bus-mounting bases

For busbar systems

				60 mm compact busbar systems		60 mm busbar systems		
				NEOZED design		NEOZED design		DIAZED design
				3P		3P		3P
				3P		3P		3P
Size	$I_n$	Mounting width	$U_n$ AC/DC	With touch protection cover	Standard	With touch protection cover	Standard	With touch protection cover
D02	63 A	1.5 MW	–	–	5SG6202 <sup>1)</sup>	5SG6206 <sup>1)</sup>	–	–
		2 MW	–	5SG6208	–	5SG6207	–	–
DII	25 A	–	500 V/500 V	–	–	–	5SF6015	5SF6020
DIII	63 A	–	500 V/500 V <sup>2)</sup>	–	–	–	5SF6215	5SF6220

<sup>1)</sup> From 35 A continuous current load, mount the fuse base with spacing and use a wider cover.

<sup>2)</sup> Can also be used for 690 V AC/600 V DC

**Note:**

NEOZED adapter sleeves and DIAZED screw adapters as well as the respective screw caps are required, [see page 7/18](#) and [7/20](#)

## Accessories

### Covers for bus-mounting base standard version for 60 mm busbar systems

Design	Fuse size	Version	Mounting width (1 MW = 18 mm)	Article No.
NEOZED	D02	Standard	1.5 MW	5SH5241
		Extra wide	2 MW	5SH5242
		Double width	3 MW	5SH5243
DIAZED	DII			5SH2042
	DIII			5SH2242

### Electronic fuse monitor

 <ul style="list-style-type: none"> <li>• For all low-voltage fuse systems</li> <li>• For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact</li> <li>• Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors</li> <li>• Signal also for disconnected loads</li> </ul>	$U_c$ AC	$I_n$	$U_c$	Article No.
	230 V	4 A	3 AC 380 ... 415 V	5TT3170

See Busbar systems, [from page 13/1 onwards](#)



# LV HRC fuse bases

Number of poles	Ceramic <b>new</b>		Plastic <b>new</b>			
	1P	3P	1P	1P		
						
Size	$I_n$	$U_n$ AC/DC	Flat terminals	Double busbar terminal	Flat terminals	
00	160 A	690 V/690 V	3NH6030	3NH8030	–	3NH1030
1	250 A	690 V/690 V	3NH6230	3NH8230	3NH6220	3NH1230
2	400 A	690 V/690 V	3NH6330	–	3NH6320	3NH1330
3	630 A	690 V/690 V	3NH6430	–	3NH6420	3NH1430
4	1250 A	690 V/440 V	3NH3530	–	–	–
4a	1250 A	690 V/600 V	–	–	–	–
1L	250 A	–/1500 V	3NH6260	–	–	–
2L	400 A	–/1500 V	3NH6360	–	–	–
3L	630 A	–/1500 V	3NH6460	–	–	–
1XL	250 A	–/1500 V	3NH6261	–	–	–
2XL	400 A	–/1500 V	3NH6361	–	–	–

## Accessories

### LV HRC protective covers for LV HRC fuse bases **new**



- As touch protection for contact pieces

Size	Type	Article No.
00	3NH10/3NH60	3NX3140
	3NH20	3NX3144
1	3NH12/3NH62	3NX3141
2	3NH13/3NH63	3NX3142
3	3NH14/3NH64	3NX3143

### LV HRC partitions for LV HRC fuse bases **new**



- As intermediate phase and end barrier

Size	Type	Article No.
00	3NH10	3NX2050
	3NH20	3NX2054

### LV HRC protective covers **new**



Size	Number of poles	Article No.
00	1P	3NX3150
	3P	3NX3154
1	1P	3NX3151
2	1P	3NX3152
3	1P	3NX3153

			With swivel device	
3P	1P	3P	1P	
				
Saddle-type terminal			Flat terminals	
3NH2030	3NH1032	3NH2032	-	
3NH2230	-	-	-	
3NH2330	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	3NH7520	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	

7

## Blanking covers for LV HRC fuse bases (instead of LV HRC fuse link)



- Red color
- With inscription "Isolating point"
- Observe width 60 mm of the blank insert when using for size 1

Size	Article No.
000/00	3NX1003
1, 2, 3	3NX1004

## Fuse pullers for LV HRC fuse links



Size	Version	Article No.
000 ... 3	Without sleeve	3NX1015
	With sleeve	3NX1016

## Isolating blades for LV HRC fuse bases and fuse switch disconnectors



Version	Contacts	Size	Article No.
With insulated grip lugs	Silver-plated	000/00	3NG1002
		0	3NG1102
		1	3NG1202
		2	3NG1302
		3	3NG1402



With non-insulated grip lugs	Tin-coated	4	3NG1503
	Nickel-plated	4a	3NG1505

Neutral terminal **new**

Material	Size	$I_n$	$U_n$ AC/DC	Article No.
Plastic	00	160 A	690 V/690 V	3NG2000
Ceramic	1	250 A	690 V/690 V	3NG2200
	2	400 A	690 V/690 V	3NG2300

# Cylindrical fuse holders

## Number of poles

1P



1P+N



2P



3P



3P+N



For fuses of size	$I_n$	Standard	Standard	Standard	Standard	Compact	Bus-mounting fuse holders	Standard
<b>Without LED signal detector</b>								
8 × 32 mm	20 A	3NW7313	3NW7353	3NW7323	3NW7333	–	–	3NW7363
10 × 38 mm	30 A	–	–	–	–	–	3NW7431	–
	32 A	3NW7013	3NW7053	3NW7023	3NW7033	3NW7033-1	–	3NW7063
14 × 51 mm	50 A	3NW7111	3NW7151	3NW7121	3NW7131	–	–	3NW7161
22 × 58 mm	100 A	3NW7211	3NW7251	3NW7221	3NW7231	–	–	3NW7261
<b>With LED signal detector</b>								
8 × 32 mm	20 A	3NW7314	3NW7354	3NW7324	3NW7334	–	–	3NW7364
10 × 38 mm	32 A	3NW7014	3NW7054	3NW7024	3NW7034	3NW7034-1	–	3NW7064
	50 A	3NW7112	3NW7152	3NW7122	3NW7132	–	–	3NW7162
22 × 58 mm	100 A	3NW7212	3NW7252	3NW7222	3NW7232	–	–	3NW7262

### Note:

Semiconductor fuses heat up substantially more than standard fuses of operational classes gG and aM.

We therefore recommend only using SITOR cylindrical fuses in the intended SITOR fuse holders and complying with the maximum permissible current-carrying capacity.

## Accessories

### Auxiliary switches for cylindrical fuse holders, standard



- For retrofitting using the factory-fitted brackets

Display	Fuse link size	Article No.
Disconnection of the fuse link, only for striker fuse links	14 × 51 mm	3NW7901
	22 × 58 mm	3NW7902
Switching state of fuse holder	8 × 32 mm and 10 × 38 mm	3NW7903

### Busbars for cylindrical fuse holders, compact



Number of poles	$I_n$	Pin spacing	Length	Article No.
2 × 3P	63 A	15 mm	45 mm	5ST2601
3 × 3P	63 A	15 mm	90 mm	5ST2602
4 × 3P	63 A	15 mm	135 mm	5ST2603
5 × 3P	63 A	15 mm	180 mm	5ST2604

### Terminals for cylindrical fuse holders, compact



Version	Article No.
For conductor cross-sections 2.5 ... 35 mm <sup>2</sup>	5ST2600

See Busbar systems, [from page 13/1 onwards](#)

# Fuse holders and bases for SITOR semiconductor fuses

For SITOR fuses with bolt-on links or blade contacts



$I_n$	$U_n$ AC/DC	For fuse series	Mounting dimensions	Ceramic	Metal
50 A	690 V	3NC18	75 mm	3NH5723	–
315 A	690 V	3NE87, 3NC26	80 mm	3NH5023	–
400 A	690 V	3NE80...3MK	80 mm	3NH5323	–
630 A	1800 V	3NE53, 3NE56	170 mm	–	3NH5473
1250 A	1250 V	3NC24, 3NC33...-1U, 3NC34...-1U, 3NC84, 3NE1...-3, NE32, 3NE33	110 mm	–	3NH5463
1600 A	690 V	3NE82...3MK	80 mm	–	3NH5423

7

For cylindrical fuses

Cylindrical fuse holders, can be used as fuse switch disconnectors

Number of poles

1P



2P



3P

For fuses of size	$U_n$ AC/DC	With signaling switch			
10 × 38 mm	600 V/–	–	–	–	–
	690 V/800 V	3NC1091	–	3NC1092	3NC1093
14 × 51 mm	690 V/800 V	3NC1491	3NC1491-5	3NC1492	3NC1493
22 × 58 mm	690 V/800 V	3NC2291	3NC2291-5	3NC2292	3NC2293
22 × 127 mm	1500 V/1000 V	3NC2391-0MK	–	3NC2392-0MK	3NC2393-0MK

#### Note:

Please comply with the maximum permissible current-carrying capacity.

## Accessories

### Fuse tongs



For fuses of size

10 × 38 mm  
14 × 51 mm  
22 × 58 mm

Article No.

3NC1000

# Fuse holders and bases for photovoltaic fuses

Cylindrical fuse holders for PV fuses



For fuses of size	$I_n$	$U_n$ DC					
10 × 38 mm	30 A	1000 V	3NW7013-4	–	3NW7023-4	3NW7014-4	3NW7024-4
10 × 85 mm	32 A	1500 V	–	3NW7613-4	–	–	–

7

## LV HRC fuse bases for PV fuses **new**

With flat terminals, ceramic



Size	$I_n$	$U_n$ DC	
1	250 A	690 V	3NH6230
1L	250 A	1500 V	3NH6260
2L	400 A	1500 V	3NH6360
3L	630 A	1500 V	3NH6460
1XL	250 A	1500 V	3NH6261
2XL	400 A	1500 V	3NH6361

# Class J fuse holders

Number of poles	For mounting on DIN mounting rail			For screwing onto mounting plate	Bus-mounting fuse holders for 8US 60 mm busbar systems			
	1P	2P	3P	3P	3P	3P	3P	
								
For fuses of size	$I_n$	$U_n$						
21 × 57 mm	30 A	600 V	3NW7511-3HG	3NW7521-3HG	3NW7531-3HG	–	–	–
27 × 60 mm	60 A	600 V	3NW7511-5HG	3NW7521-5HG	3NW7531-5HG	–	–	–
29 × 118 mm	100 A	600 V	–	–	–	3NW7531-6HG	3NW7431-6HG	–
41 × 146 mm	200 A	600 V	–	–	–	3NW7531-7HG	–	3NW7431-7HG
54 × 181 mm	400 A	600 V	–	–	–	3NW7531-8HG	–	3NW7431-8HG

# Class CC fuse holders

		Standard			Compact		Bus-mounting fuse holders for 8US 60 mm busbar systems
Number of poles		1P	2P	3P	3P		3P
							
$I_n$	$U_n$			Signal detector without		with	
30 A	600 V	3NW7513-0HG	3NW7523-0HG	3NW7533-0HG	3NW7533-1HG	3NW7534-1HG	3NW7431-0HG

## Accessories

Busbars for Class CC fuse holders, compact						
	Number of poles	$I_n$	Pin spacing	Length	Article No.	
	2 × 3P	63 A	15 mm	45 mm	5ST2601	
	3 × 3P	63 A	15 mm	90 mm	5ST2602	
	4 × 3P	63 A	15 mm	135 mm	5ST2603	
	5 × 3P	63 A	15 mm	180 mm	5ST2604	
Terminals for Class CC fuse holders, compact						
	Version					Article No.
	For conductor cross-sections 2.5 ... 35 mm <sup>2</sup>					5ST2600

# Quick selection guide of fuse links

IEC



NEOZED fuse links	DIAZED fuse links	SILIZED fuse links	LV HRC fuse links	3NA COM LV HRC fuse links <sup>1)</sup>
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**Basic data**

Design	NEOZED	DIAZED	NEOZED, DIAZED	LV HRC	LV HRC
Size/for fuses of size	D01, D02, D03	NDz, DII, DIII	D01, D02, DII, DIII, DIV	000/00, 0, 1, 2, 3, 4, 4a	2
Operational class	gG	gG	gR	gG, aM	gG, gFF
Rated current	A	2 ... 100	10 ... 100	2 ... 1250	80 ... 315

**Standards**

Standard	IEC 60269-3; DIN VDE 0636-3	IEC 60269-3; DIN VDE 0635; DIN VDE 0636-3; CEE 16	IEC 60269-3/-4; DIN VDE 0636-3; EN 60269-4 (VDE 0636-4)	IEC 60269-1/-2; EN 60269-1/-2; DIN VDE 0636-1/-2	IEC 60269-1/-2; EN 60269-1/-2; DIN VDE 0636-1/-2
Approvals	VDE	VDE	–	CSA 22.2, VDE	VDE, KEMA, DEKRA

**Technical specifications AC**

Rated voltage AC	V	400	500 ... 750	400 ... 500	400 ... 690 600 (CSA)	400
Rated breaking capacity AC	kA	50	50	50	120	100

**Technical specifications DC**

Rated voltage DC	V	250	500 ... 750	250 ... 500	250 ... 440	–
Rated breaking capacity DC	kA	8	8	8	25	–

**Further information**

See page 7/34	See page 7/35	See page 7/36	See page 7/38	See page 7/52
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<sup>1)</sup> With current measuring function and wireless communication



Cylindrical fuse links	Photovoltaic fuse links, cylindrical fuse design	Photovoltaic fuse links, LV HRC design	SITOR semiconductor fuse links, LV HRC design (AC/DC) and LV HRC design (DC)	SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)	Class CC fuse links
Cylindrical	Cylindrical	LV HRC	LV HRC	Cylindrical	Cylindrical
8 × 32 mm, 10 × 38 mm, 14 × 51 mm, 22 × 58 mm	10 × 38 mm, 10 × 85 mm	1, 1L, 2L, 3L, 1XL, 2XL	000, 00, 1, 2, 3	10 × 38 mm, 14 × 51 mm, 22 × 58 mm	–
gG, aM	gPV	gPV	gS, gR, aR	gS, gR, aR	–
0.5 ... 100	2 ... 20	63 ... 630	6 ... 2400	1 ... 125	0.6 ... 30
IEC 60269-1/-2; NF C 60-200, NF C 63-210/-211; NBN C 63269-2; IEC 32-4/-12	IEC 60269-6	IEC 60269-6	IEC 60269-4	IEC 60269-2	–
UL 248-1, CSA	–	–	UL 248-1, UL 248-13	UL 248-1, UL 248-13	UL 248-1; CSA C22.2
400 ... 690 400 ... 600 (UL/CSA)	–	–	500 ... 2500	690 ... 1500 600 ... 1500 (UL/CSA)	600
20 ... 120	–	–	100 ... 150	100	200
–	1000 ... 1500	1000 ... 1500	400 ... 1500	250 ... 1000	150 ... 300
–	30	30	–	–	–
See page 7/58	See page 7/90	See page 7/91	See page 7/60	See page 7/82	See page 7/92

7

# NEOZED fuse links

Operational class gG



$I_n$	Identification color	Contacts	$U_n$ AC/DC			
2 A	Pink	–	400 V/250 V	5SE2302	–	–
4 A	Brown	–	400 V/250 V	5SE2304	–	–
6 A	Green	–	400 V/250 V	5SE2306	–	–
10 A	Red	–	400 V/250 V	5SE2310	–	–
13 A	Black	–	400 V/250 V	5SE2013-2A	–	–
16 A	Gray	–	400 V/250 V	5SE2316	–	–
20 A	Blue	Tin-coated	400 V/250 V	–	5SE2320	–
25 A	Yellow	Tin-coated	400 V/250 V	–	5SE2325	–
32 A	Violet	Tin-coated	400 V/250 V	–	5SE2332	–
35 A	Black	Tin-coated	400 V/250 V	–	5SE2335	–
40 A	Black	Silver-plated	400 V/250 V	–	5SE2340	–
50 A	White	Silver-plated	400 V/250 V	–	5SE2350	–
63 A	Copper	Silver-plated	400 V/250 V	–	5SE2363	–
80 A	Blue	–	400 V/250 V	–	–	5SE2280
100 A	Red	–	400 V/250 V	–	–	5SE2300

# DIAZED fuse links

Operational class	Size DII	Size DIII <sup>1)</sup>	Size DIV	Size TNDz
	E27	E33	R 1 1/4"	E16
	gG	gG	quick	slow
				

$I_n$	Identification color	$U_n$ AC/DC	5SB	5SD	5SC	5SA
2 A	Pink	500 V/500 V	5SB211	–	–	5SA211
		690 V/600 V	–	5SD8002	–	–
		750 V/750 V	–	–	5SD601	–
4 A	Brown	500 V/500 V	5SB221	–	–	5SA221
		690 V/600 V	–	5SD8004	–	–
		750 V/750 V	–	–	5SD602	–
6 A	Green	500 V/500 V	5SB231	–	–	5SA231
		690 V/600 V	–	5SD8006	–	–
		750 V/750 V	–	–	5SD603	–
10 A	Red	500 V/500 V	5SB251	–	–	5SA251
		690 V/600 V	–	5SD8010	–	–
		750 V/750 V	–	–	5SD604	–
16 A	Gray	500 V/440 V	5SB2611	–	–	5SA2611
		690 V/600 V	–	5SD8016	–	–
		750 V/750 V	–	–	5SD605	–
20 A	Blue	500 V/440 V	5SB2711	–	–	5SA2711
		690 V/600 V	–	5SD8020	–	–
		750 V/750 V	–	–	5SD606	–
25 A	Yellow	500 V/440 V	5SB2811	–	–	5SA2811
		690 V/600 V	–	5SD8025	–	–
		750 V/750 V	–	–	5SD607	–
32 A	Violet	500 V/440 V	–	5SB4011	–	–
35 A	Black	500 V/440 V	–	5SB4111	–	–
		690 V/600 V	–	5SD8035	–	–
		750 V/750 V	–	–	5SD608	–
50 A	White	500 V/440 V	–	5SB4211	–	–
		690 V/600 V	–	5SD8050	–	–
		750 V/750 V	–	–	5SD610	–
63 A	Copper	500 V/440 V	–	5SB4311	–	–
		690 V/600 V	–	5SD8063	–	–
		750 V/750 V	–	–	5SD611	–
80 A	Silver	500 V/400 V	–	–	–	5SC211
100 A	Red	500 V/400 V	–	–	–	5SC221

<sup>1)</sup> For 2 ... 25 A use screw adaptor DII

# SILIZED fuse links

Operational class gR



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	$U_n$ AC/DC					
10 A	73 A <sup>2</sup> s	6.9 W	400 V/250 V	5SE1310	–	–	–	–
16 A	60 A <sup>2</sup> s	12.1 W	500 V/500 V	–	–	5SD420	–	–
	120 A <sup>2</sup> s	6.2 W	400 V/250 V	5SE1316	–	–	–	–
20 A	139 A <sup>2</sup> s	12.3 W	500 V/500 V	–	–	5SD430	–	–
	190 A <sup>2</sup> s	8.1 W	400 V/250 V	–	5SE1320	–	–	–
25 A	205 A <sup>2</sup> s	12.5 W	500 V/500 V	–	–	5SD440	–	–
	215 A <sup>2</sup> s	8.2 W	400 V/250 V	–	5SE1325	–	–	–
30 A	310 A <sup>2</sup> s	13.5 W	500 V/500 V	–	–	5SD480	–	–
35 A	470 A <sup>2</sup> s	16.7 W	400 V/250 V	–	5SE1335	–	–	–
	539 A <sup>2</sup> s	14.8 W	500 V/500 V	–	–	–	5SD450	–
50 A	1250 A <sup>2</sup> s	18.5 W	500 V/500 V	–	–	–	5SD460	–
	1960 A <sup>2</sup> s	12.0 W	400 V/250 V	–	5SE1350	–	–	–
63 A	1890 A <sup>2</sup> s	28.0 W	500 V/500 V	–	–	–	5SD470	–
	4230 A <sup>2</sup> s	15.5 W	400 V/250 V	–	5SE1363	–	–	–
80 A	4200 A <sup>2</sup> s	34.3 W	500 V/500 V	–	–	–	–	5SD510
100 A	8450 A <sup>2</sup> s	41.5 W	500 V/500 V	–	–	–	–	5SD520

7



# LV HRC fuse links

Operational class gG, with combination alarm



$I_n$	$U_n$ AC/DC			
<b>Insulated grip lugs</b>				
2 A	500 V/250 V	3NA6802	–	–
	690 V <sup>1)</sup> /250 V	3NA6802-6	–	–
4 A	500 V/250 V	3NA6804	–	–
	690 V <sup>1)</sup> /250 V	3NA6804-6	–	–
6 A	500 V/250 V	3NA6801	–	–
	690 V <sup>1)</sup> /250 V	3NA6801-6	–	–
10 A	400 V/–	3NA6803-4	–	–
	500 V/250 V	3NA6803	–	–
	690 V <sup>1)</sup> /250 V	3NA6803-6	–	–
16 A	400 V/–	3NA6805-4	–	–
	500 V/250 V	3NA6805	–	–
	690 V <sup>1)</sup> /250 V	3NA6805-6	–	–
	500 V/440 V	–	–	3NA6105
20 A	400 V/–	3NA6807-4	–	–
	500 V/250 V	3NA6807	–	–
	690 V <sup>1)</sup> /250 V	3NA6807-6	–	–
	500 V/440 V	–	–	3NA6107
25 A	400 V/–	3NA6810-4	–	–
	500 V/250 V	3NA6810	–	–
	690 V <sup>1)</sup> /250 V	3NA6810-6	–	–
	500 V/440 V	–	–	3NA6110
32 A	400 V/–	3NA6812-4	–	3NA6114-4
	500 V/250 V	3NA6812	–	–
	690 V <sup>1)</sup> /250 V	3NA6812-6	–	–
35 A	400 V/–	3NA6814-4	–	–
	500 V/250 V	3NA6814	–	–
	690 V <sup>1)</sup> /250 V	3NA6814-6	–	–
	500 V/440 V	–	–	3NA6114
40 A	400 V/–	3NA6817-4	–	3NA6117-4
	500 V/250 V	3NA6817	–	–
	690 V <sup>1)</sup> /250 V	3NA6817-6KJ	3NA6817-6	–
	500 V/440 V	–	–	3NA6117
50 A	400 V/–	3NA6820-4	–	3NA6120-4
	500 V/250 V	3NA6820	–	–
	690 V <sup>1)</sup> /250 V	3NA6820-6KJ	3NA6820-6	–
	500 V/440 V	–	–	3NA6120
	690 V <sup>1)</sup> /440 V	–	–	3NA6120-6

<sup>1)</sup> Manufacturer's confirmation for 690 V +10% rated voltage available on request.



# LV HRC fuse links

Operational class gG, with combination alarm (continued)



$I_n$	$U_n$ AC/DC			
<b>Insulated grip lugs</b>				
63 A	400 V/-	3NA6822-4	–	3NA6122-4
	500 V/250 V	3NA6822	–	–
	690 V <sup>1)</sup> /250 V	–	3NA6822-6	–
	500 V/440 V	–	–	3NA6122
	690 V <sup>1)</sup> /440 V	–	–	3NA6122-6
80 A	400 V/-	3NA6824-4	3NA6824-4KK	3NA6124-4
	500 V/250 V	3NA6824	3NA6824-7	–
	690 V <sup>1)</sup> /250 V	–	3NA6824-6	–
	500 V/440 V	–	–	3NA6124
	690 V <sup>1)</sup> /440 V	–	–	3NA6124-6
100 A	400 V/-	3NA6830-4	3NA6830-4KK	3NA6130-4
	500 V/250 V	3NA6830	3NA6830-7	–
	690 V <sup>1)</sup> /250 V	–	3NA6830-6	–
	500 V/440 V	–	–	3NA6130
	690 V <sup>1)</sup> /440 V	–	–	3NA6130-6
125 A	400 V/-	–	3NA6832-4	–
	500 V/250 V	–	3NA6832	–
	500 V/440 V	–	–	3NA6132
	690 V <sup>1)</sup> /440 V	–	–	3NA6132-6
	–	–	–	–
160 A	400 V/-	–	3NA6836-4	3NA6136-4
	500 V/250 V	–	3NA6836	–
	500 V/440 V	–	–	3NA6136
	690 V <sup>1)</sup> /440 V	–	–	3NA6136-6
	–	–	–	–
200 A	400 V/-	–	–	–
	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
224 A	400 V/-	–	–	–
	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
250 A	400 V/-	–	–	–
	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
300 A	400 V/-	–	–	–
	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
315 A	400 V/-	–	–	–
	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
355 A	400 V/-	–	–	–
	500 V/440 V	–	–	–
400 A	400 V/-	–	–	–
	500 V/440 V	–	–	–

<sup>1)</sup> Manufacturer's confirmation for 690 V +10% rated voltage available on request.

Size 1 47.2 mm	Size 2 47.2 mm	Size 2 57.8 mm
-	3NA6222-4	-
-	-	-
-	-	-
-	3NA6222	-
-	-	-
-	3NA6224-4	-
-	-	-
-	-	-
-	3NA6224	-
-	3NA6224-6	-
-	3NA6230-4	-
-	-	-
-	-	-
-	3NA6230	-
-	3NA6230-6	-
-	3NA6232-4	-
-	-	-
-	3NA6232	-
-	3NA6232-6	-
-	3NA6236-4	-
-	-	-
-	3NA6236	-
-	3NA6236-6	-
3NA6140-4	3NA6240-4	-
3NA6140	3NA6240	-
3NA6140-6	3NA6240-6	-
3NA6142-4	3NA6242-4	-
3NA6142	3NA6242	-
-	-	3NA6242-6
3NA6144-4	3NA6244-4	-
3NA6144	3NA6244	-
-	-	3NA6244-6
-	-	3NA6250-4
-	-	3NA6250
-	-	3NA6250-6
-	-	3NA6252-4
-	-	3NA6252
-	-	3NA6252-6
-	-	3NA6254-4
-	-	3NA6254
-	-	3NA6260-4
-	-	-

# LV HRC fuse links

Operational class gG, with combination alarm



$I_n$	$U_n$ , AC/DC	Size 000 21 mm	Size 00 30 mm	Size 1 30 mm
<b>Non-insulated grip lugs</b>				
2 A	500 V/250 V	3NA7802	–	–
	690 V <sup>1)</sup> /250 V	3NA7802-6	–	–
4 A	500 V/250 V	3NA7804	–	–
	690 V <sup>1)</sup> /250 V	3NA7804-6	–	–
6 A	500 V/250 V	3NA7801	–	–
	690 V <sup>1)</sup> /250 V	3NA7801-6	–	–
10 A	500 V/250 V	3NA7803	–	–
	690 V <sup>1)</sup> /250 V	3NA7803-6	–	–
16 A	500 V/250 V	3NA7805	–	–
	690 V <sup>1)</sup> /250 V	3NA7805-6	–	–
	500 V/440 V	–	–	3NA7105
20 A	500 V/250 V	3NA7807	–	–
	690 V <sup>1)</sup> /250 V	3NA7807-6	–	–
	500 V/440 V	–	–	3NA7107
25 A	500 V/250 V	3NA7810	–	–
	690 V <sup>1)</sup> /250 V	3NA7810-6	–	–
	500 V/440 V	–	–	3NA7110
32 A	500 V/250 V	3NA7812	–	–
	690 V <sup>1)</sup> /250 V	3NA7812-6	–	–
35 A	500 V/250 V	3NA7814	–	–
	690 V <sup>1)</sup> /250 V	3NA7814-6	–	–
	500 V/440 V	–	–	3NA7114
40 A	500 V/250 V	3NA7817	–	–
	690 V <sup>1)</sup> /250 V	3NA7817-6KJ	3NA7817-6	–
	500 V/440 V	–	–	3NA7117
50 A	500 V/250 V	3NA7820	–	–
	690 V <sup>1)</sup> /250 V	3NA7820-6KJ	3NA7820-6	–
	500 V/440 V	–	–	3NA7120
	690 V <sup>1)</sup> /440 V	–	–	3NA7120-6
63 A	500 V/250 V	3NA7822	–	–
	690 V <sup>1)</sup> /250 V	–	3NA7822-6	–
	500 V/440 V	–	–	3NA7122
	690 V <sup>1)</sup> /440 V	–	–	3NA7122-6
80 A	500 V/250 V	3NA7824	3NA7824-7	–
	690 V <sup>1)</sup> /250 V	–	3NA7824-6	–
	500 V/440 V	–	–	3NA7124
	690 V <sup>1)</sup> /440 V	–	–	3NA7124-6
100 A	500 V/250 V	3NA7830	3NA7830-7	–
	690 V <sup>1)</sup> /250 V	–	3NA7830-6	–
	500 V/440 V	–	–	3NA7130
	690 V <sup>1)</sup> /440 V	–	–	3NA7130-6
125 A	500 V/250 V	–	3NA7832	–
	500 V/440 V	–	–	3NA7132
	690 V <sup>1)</sup> /440 V	–	–	3NA7132-6

<sup>1)</sup> Manufacturer's confirmation for 690 V +10% rated voltage available on request.



# LV HRC fuse links

Operational class gG, with combination alarm (continued)



$I_n$	$U_n$ AC/DC	Size 000 21 mm	Size 00 30 mm	Size 1 30 mm
<b>Non-insulated grip lugs</b>				
160 A	500 V/250 V	–	3NA7836	–
	500 V/440 V	–	–	3NA7136
	690 V <sup>1)</sup> /440 V	–	–	3NA7136-6
200 A	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
224 A	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
250 A	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
300 A	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
315 A	500 V/440 V	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–
355 A	–	–	–	–
400 A	500 V/440 V	–	–	–

<sup>1)</sup> Manufacturer's confirmation for 690 V +10% rated voltage available on request.

Size 1 47.2 mm	Size 2 47.2 mm	Size 2 57.8 mm
-	-	-
-	3NA7236	-
-	3NA7236-6	-
3NA7140	3NA7240	-
3NA7140-6	3NA7240-6	-
3NA7142	3NA7242	-
-	-	3NA7242-6
3NA7144	3NA7244	-
-	-	3NA7244-6
-	-	3NA7250-6
-	-	3NA7252
-	-	3NA7252-6
-	-	-
-	-	3NA7260

# LV HRC fuse links

Operational class gG, with front indicator



$I_n$	$U_n$ AC/DC				
<b>Non-insulated grip lugs</b>					
2 A	500 V/250 V	3NA3802	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3802-6	–	–	–
4 A	500 V/250 V	3NA3804	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3804-6	–	–	–
6 A	500 V/250 V	3NA3801	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3801-6	–	–	–
	500 V/440 V	–	–	3NA3001	–
10 A	500 V/250 V	3NA3803	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3803-6	–	–	–
	500 V/440 V	–	–	3NA3003	–
16 A	500 V/250 V	3NA3805	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3805-6	–	–	–
	500 V/440 V	–	–	3NA3005	3NA3105
20 A	500 V/250 V	3NA3807	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3807-6	–	–	–
	500 V/440 V	–	–	3NA3007	3NA3107
25 A	500 V/250 V	3NA3810	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3810-6	–	–	–
	500 V/440 V	–	–	3NA3010	3NA3110
32 A	500 V/250 V	3NA3812	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3812-6	–	–	–
	500 V/440 V	–	–	3NA3012	–
35 A	500 V/250 V	3NA3814	3NA3814-7	–	–
	690 V <sup>1)</sup> /250 V	–	–	–	–
	500 V/440 V	–	–	3NA3014	3NA3114
40 A	500 V/250 V	3NA3817	–	–	–
	690 V <sup>1)</sup> /250 V	3NA3817-6KJ	3NA3817-6	–	–
	500 V/440 V	–	–	3NA3017	3NA3117
50 A	500 V/250 V	3NA3820	3NA3820-7	–	–
	690 V <sup>1)</sup> /250 V	3NA3820-6KJ	3NA3820-6	–	–
	500 V/440 V	–	–	3NA3020	3NA3120
	690 V <sup>1)</sup> /440 V	–	–	–	3NA3120-6
63 A	500 V/250 V	3NA3822	3NA3822-7	–	–
	690 V <sup>1)</sup> /250 V	–	3NA3822-6	–	–
	500 V/440 V	–	–	3NA3022	3NA3122
	690 V <sup>1)</sup> /440 V	–	–	–	3NA3122-6
80 A	500 V/250 V	3NA3824	3NA3824-7	–	–
	690 V <sup>1)</sup> /250 V	–	3NA3824-6	–	–
	500 V/440 V	–	–	3NA3024	3NA3124
	690 V <sup>1)</sup> /440 V	–	–	–	3NA3124-6
100 A	500 V/250 V	3NA3830	3NA3830-7	–	–
	690 V <sup>1)</sup> /250 V	–	3NA3830-6	–	–
	500 V/440 V	–	–	3NA3030	3NA3130
	690 V <sup>1)</sup> /440 V	–	–	–	–

<sup>1)</sup> Manufacturer's confirmation for 690 V +10% rated voltage available on request.



# LV HRC fuse links

Operational class gG, with front indicator (continued)

	Size 000	Size 00	Size 0	Size 1	
Mounting width	21 mm	30 mm	30 mm	30 mm	47.2 mm
					

$I_n$	$U_n$ AC/DC				
<b>Non-insulated grip lugs</b>					
125 A	400 V/250 V	3NA3832-8	–	–	–
	500 V/250 V	–	3NA3832	–	–
	500 V/440 V	–	–	3NA3032	3NA3132
	690 V <sup>1)</sup> /440 V	–	–	–	3NA3132-6
160 A	400 V/250 V	3NA3836-8	–	–	–
	500 V/250 V	–	3NA3836	–	–
	500 V/440 V	–	–	3NA3036	3NA3136
	690 V <sup>1)</sup> /440 V	–	–	–	3NA3136-6
200 A	500 V/440 V	–	–	–	3NA3140
	690 V <sup>1)</sup> /440 V	–	–	–	3NA3140-6
224 A	500 V/440 V	–	–	–	3NA3142
	690 V <sup>1)</sup> /440 V	–	–	–	–
250 A	500 V/440 V	–	–	–	3NA3144
	690 V <sup>1)</sup> /440 V	–	–	–	3NA3144-6
300 A	500 V/440 V	–	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–	–
315 A	500 V/440 V	–	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–	–
355 A	500 V/440 V	–	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–	–
400 A	500 V/440 V	–	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–	–
425 A	500 V/440 V	–	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–	–
500 A	500 V/440 V	–	–	–	–
	690 V <sup>1)</sup> /440 V	–	–	–	–
630 A	500 V/440 V	–	–	–	–
800 A	500 V/440 V	–	–	–	–
1000 A	500 V/440 V	–	–	–	–
1250 A	500 V/440 V	–	–	–	–

<sup>1)</sup> Manufacturer's confirmation for 690 V +10% rated voltage available on request.



Size 2	Size 3	Size 4 (IEC design)	Size 4a
47.2 mm	57.8 mm	71.2 mm	101.8 mm
–	–	–	–
–	–	–	–
3NA3232	–	–	–
3NA3232-6	–	–	–
–	–	–	–
–	–	–	–
3NA3236	–	–	–
3NA3236-6	–	–	–
3NA3240	–	3NA3340	–
3NA3240-6	–	–	–
3NA3242	–	3NA3342	–
–	3NA3242-6	–	–
3NA3244	–	3NA3344	–
–	3NA3244-6	3NA3344-6	–
–	3NA3250	3NA3350	–
–	3NA3250-6	–	–
–	3NA3252	3NA3352	–
–	3NA3252-6	3NA3352-6	–
–	3NA3254	3NA3354	–
–	–	–	3NA3354-6
–	3NA3260	3NA3360	–
–	–	–	3NA3360-6
–	–	–	3NA3362
–	–	–	3NA3362-6
–	–	–	3NA3365
–	–	–	3NA3365-6
–	–	–	3NA3372
–	–	–	3NA3472
–	–	–	3NA3475
–	–	–	3NA3480
–	–	–	3NA3482
–	–	–	3NA3665
–	–	–	3NA3672
–	–	–	3NA3675
–	–	–	3NA3680
–	–	–	3NA3682

# LV HRC fuse links

Operational class aM, with front indicator

	Size 000	Size 00	Size 1	Size 2	Size 2	Size 3	Size 3	
Mounting width	21 mm	30 mm	30 mm	47.2 mm	47.2 mm	57.8 mm	57.8 mm	71.2 mm
								

$I_n$	$U_n$ AC								
<b>Non-insulated grip lugs</b>									
6 A	500 V	3ND1801	–	–	–	–	–	–	–
10 A	500 V	3ND1803	–	–	–	–	–	–	–
16 A	500 V	3ND1805	–	–	–	–	–	–	–
20 A	500 V	3ND1807	–	–	–	–	–	–	–
25 A	500 V	3ND1810	–	–	–	–	–	–	–
32 A	500 V	3ND1812	–	–	–	–	–	–	–
35 A	500 V	3ND1814	–	–	–	–	–	–	–
40 A	500 V	3ND1817	–	–	–	–	–	–	–
50 A	500 V	3ND1820	–	–	–	–	–	–	–
63 A	500 V	3ND1822	–	–	–	–	–	–	–
	690 V	–	–	3ND2122	–	–	–	–	–
80 A	500 V	3ND1824	–	–	–	–	–	–	–
	690 V	–	–	3ND2124	–	–	–	–	–
100 A	500 V	3ND1830-8	3ND1830	–	–	–	–	–	–
	690 V	–	–	3ND2130	–	–	–	–	–
125 A	500 V	–	3ND1832	–	–	–	–	–	–
	690 V	–	–	–	3ND2132	3ND2232	–	–	–
160 A	500 V	–	3ND1836	–	–	–	–	–	–
	690 V	–	–	–	3ND2136	3ND2236	–	–	–
200 A	690 V	–	–	–	3ND2140	3ND2240	–	–	–
250 A	690 V	–	–	–	3ND2144	3ND2244	–	–	–
315 A	690 V	–	–	–	–	–	3ND2252	3ND2352	–
355 A	690 V	–	–	–	–	–	3ND2254	3ND2354	–
400 A	690 V	–	–	–	–	–	3ND2260	3ND2360	–
500 A	690 V	–	–	–	–	–	–	–	3ND1365
630 A	690 V	–	–	–	–	–	–	–	3ND1372



# 3NA3 COM LV HRC fuse links with measuring and communication functions

With front indicator and non-insulated grip lugs, size 2

	With electronic module <sup>1)</sup>		Without electronic module <sup>2)</sup>		Electronic module			
	Operational class gG	Operational class gFF (for the Netherlands)	Operational class gG	Operational class gFF (for the Netherlands)				
Mounting width	59 mm	59 mm	59 mm	59 mm	59 mm			
$I_n$	80 A	100 A	125 A	160 A	200 A	224 A	250 A	315 A
$U_n$ AC	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V
	–	3NA3230-4KK01	3NA3232-4KK01	3NA3236-4KK01	3NA3240-4KK01	3NA3242-4KK01	3NA3244-4KK01	3NA3252-4KK01
	–	3NA3224-4KK03	3NA3230-4KK03	3NA3236-4KK03	3NA3240-4KK03	–	3NA3244-4KK03	–
	–	3NA3230-4KK02	3NA3232-4KK02	3NA3236-4KK02	3NA3240-4KK02	3NA3242-4KK02	3NA3244-4KK02	3NA3252-4KK02
	–	3NA3224-4KK04	3NA3230-4KK04	3NA3236-4KK04	3NA3240-4KK04	–	3NA3244-4KK04	–
	–	3NX8201	3NX8201	3NX8201	3NX8201	3NX8201	3NX8201	3NX8201

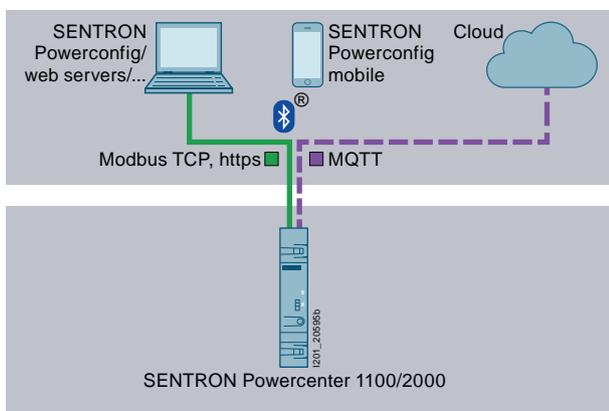
<sup>1)</sup> Electronic module is mounted by simple insertion

<sup>2)</sup> For spare part purposes (electronic module can be reused after the fuse has been replaced!)

7



## SENTRON Powercenter 1100/2000 data transceiver



- Wireless radio transmission of measured values to the SENTRON Powercenter 1000/1100/2000 data transceiver
- Commissioning, parameter assignment, firmware updates and further processing of the data via the SENTRON Powercenter 1000/1100/2000 data transceiver



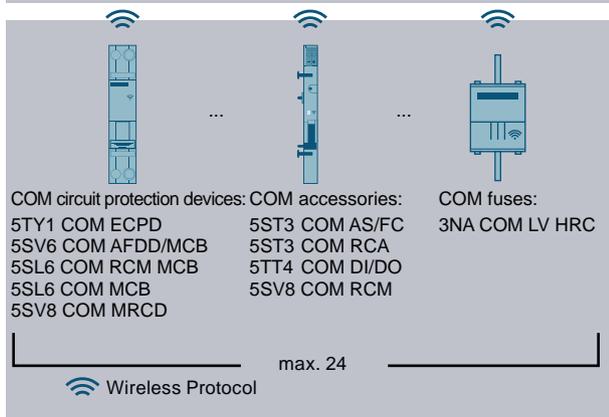
SENTRON Powercenter	Article No.
SENTRON Powercenter 1000	7KN1110-0MC00
SENTRON Powercenter 1100	7KN1111-0MC00
SENTRON Powercenter 2000	7KN1210-0MC00

See page 10/28

You will find further information at [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals)

Installation Manual – Circuit protection devices with communication and measuring function (109791805)

System Manual – Circuit protection devices with communication and measuring function (109791806)



## Measuring functions

- Rms value of the current
- Temperature (measured in electronic module)

## Monitoring functions (alarm) with limit monitoring

- Limit values can be set for:
  - Current/overcurrent > Limit value 1
  - Current/overcurrent > Limit value 2
  - Overtemperature
  - Operating hours counter
  - Operating hours counter with load current > Limit value

## Technical specifications

### Electronic module for 3NA COM 3NX8201

	Size 2
Rated current/current measuring range	400 A/2.5 ... 440 A (rms value)
Measuring accuracy of current measurement/5-minute average of rms value	±1% (8 ... 440 A), ±2% (2.5 ... 8 A)
<ul style="list-style-type: none"> <li>• At reference temperature 25 °C</li> <li>• In the range –10 °C ... +70 °C</li> </ul>	±2.2% (8 ... 440 A), ±3.2% (2.5 ... 8 A)
Minimum current (to maintain the radio connection)	2 A for operation, 3.5 A for commissioning
Temperature measuring range	+10 ... +150 °C
Measuring accuracy of temperature measurement	±2.5 °C
Maximum transmit power	8 dBm
Minimum/maximum ambient temperature during operation	–25 °C/+70 °C
Minimum/maximum ambient temperature during storage	–25 °C/+85 °C
Relative humidity at 25 °C without condensation	Max. 95%
Degree of protection IP	IP20
Pollution degree	3
Reference condition for measuring accuracy	IEC 61557-12
Measuring method	TRMS
Power supply	CT Harvesting
<b>European standards</b>	
RED Safety	EN 60669-2-5
RED Health	EN 62479
RED EMV	EN 63044-3/-5-3, EN 301489-17
RED Radio Spec	EN 300328
<b>International standards</b>	
For EMC	EN 63044-5-3, IEC 61000-6-2, IEC 61000-4-2/-3/-4/-5/-6/-8/-11
For shocks, bumps, free fall, environmental tests	IEC 60068-2-1/-2/-6/-27/-30/-32
Approvals	VDE, KEMA KEUR

## Measured values

		Measuring interval	Storage time
<b>Current</b>			
Current (rms value)	A	2 s	1 h
Average current (rms value)	A	Adjustable from 3 ... 2600 s	7 d
Minimum current	A	1 d	10 d
Maximum current	A	No limit	10 d
<b>Temperature</b>			
Temperature	°C	2 s	1 h
Average temperature	°C	Adjustable	7 d
Minimum temperature	°C	1 d	10 d
Maximum temperature	°C	1 d	10 d
<b>Operating hours counter</b>			
Operating hours counter	h	Unlimited	Unlimited
Operating hours counter with load current > Limit value	h	Unlimited	Unlimited

# 3NA6 COM LV HRC fuse links with measuring and communication functions

## new

Operational class gG, with front indicator and insulated grip lugs, size 2

	With electronic module <sup>1)</sup>	Without electronic module <sup>2)</sup>	Electronic module
Mounting width	59 mm	59 mm	59 mm
			

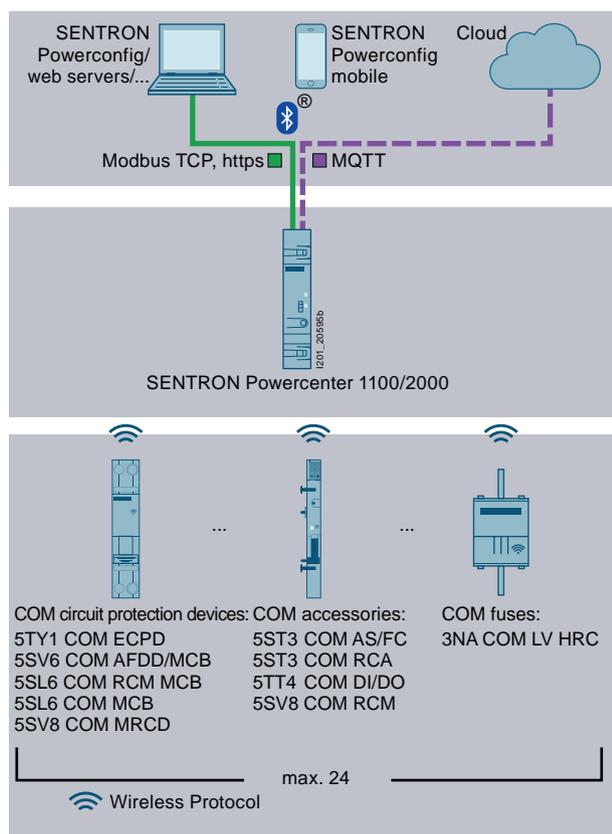
$I_n$	$U_n$ AC			
100 A	400 V	3NA6230-4KK01	3NA6230-4KK02	3NX8202
125 A	400 V	3NA6232-4KK01	3NA6232-4KK02	3NX8202
160 A	400 V	3NA6236-4KK01	3NA6236-4KK02	3NX8202
200 A	400 V	3NA6240-4KK01	3NA6240-4KK02	3NX8202
224 A	400 V	3NA6242-4KK01	3NA6242-4KK02	3NX8202
250 A	400 V	3NA6244-4KK01	3NA6244-4KK02	3NX8202
315 A	400 V	3NA6252-4KK01	3NA6252-4KK02	3NX8202

<sup>1)</sup> Electronic module is mounted by simple insertion

<sup>2)</sup> For spare part purposes (electronic module can be reused after the fuse has been replaced!)



## SENTRON Powercenter 1100/2000 data transceiver



- Wireless radio transmission of measured values to the SENTRON Powercenter 1100/2000 data transceiver
- Commissioning, parameter assignment, firmware updates and further processing of the data via the SENTRON Powercenter 1100/2000 data transceiver



SENTRON Powercenter	Article No.
SENTRON Powercenter 1100	7KN1111-0MC00
SENTRON Powercenter 2000	7KN1210-0MC00

### See page 10/28

You will find further information at [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals)

Installation Manual – Circuit protection devices with communication and measuring function (109791805)



System Manual – Circuit protection devices with communication and measuring function (109791806)



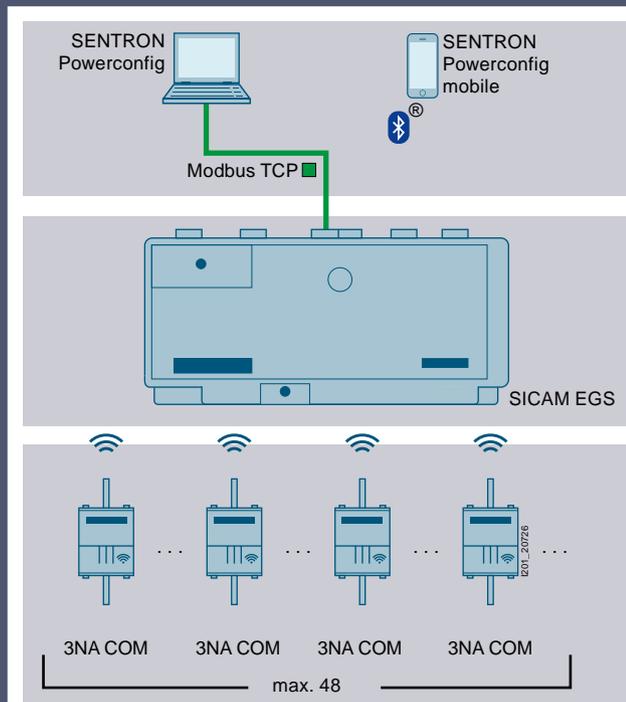
# 3NA6 COM LV HRC fuse links with measuring and communication functions

## new

Operational class gG, with front indicator and insulated grip lugs, size 2



### SICAM EGS data transceiver



### Measuring functions

- Rms value of the current
- Direction of power flow (only works in combination with SICAM EGS)
- Temperature (measured in electronic module)

### Monitoring functions (alarm) with limit monitoring

- Limit values can be set for:
  - Current/overcurrent > Limit value 1
  - Current/overcurrent > Limit value 2
  - Overtemperature
  - Operating hours counter
  - Operating hours counter with load current > Limit value

## Technical specifications

### Electronic module for 3NA COM 3NX8202

		Size 2
Rated current/current measuring range		400 A/2,5 ... 440 A (rms value)
Measuring accuracy of current measurement/5-minute average of rms value		
• At reference temperature 25 °C		±1% (8 A ... 440 A), ±2% (2.5 A ... 8 A)
• In the range -10 °C ... +70 °C		±1% (8 A ... 440 A), ±2% (2.5 A ... 8 A)
Measuring accuracy of total harmonic distortion (THD)		2% (Rated frequency 50 Hz) 3% (Rated frequency 60 Hz)
Minimum current (to maintain the radio connection)		3.5 A for commissioning
Minimum current (full operation & firmware update)		10 A
Temperature measuring range		-25 ... +150 °C
Measuring accuracy of temperature measurement		±2 °C
Maximum transmit power		2 dBm
Minimum/maximum ambient temperature during operation		-25 °C/+70 °C
Minimum/maximum ambient temperature during storage		-25 °C/+85 °C
Relative humidity at 25 °C without condensation		Max. 95%
Degree of protection IP		IP20
Pollution degree		3
Reference condition for measuring accuracy		IEC 61557-12
Measuring method		TRMS
Power supply		CT Harvesting
<b>European standards</b>		
RED Safety		EN 60669-2-5
RED Health		EN 62479
RED EMV		EN 63044-3/-5-3, EN 301489-17
RED Radio Spec		EN 300328
<b>International standards</b>		
For EMC		EN 63044-5-3, IEC 61000-6-2, IEC 61000-4-2/-3/-4/-5/-6/-8/-11
For shocks, bumps, free fall, environmental tests		IEC 60068-2-1/-2/-6/-27/-30/-32
Approvals		VDE, DEKRA

## Measured values

### Measuring interval

		Measuring interval
<b>Current</b>		
Current (rms value)	A	2 s (sampling time 200 ms)
Average current (rms value)	A	Adjustable from 3 s ... 3600 s
<b>Temperature</b>		
Temperature	°C	2 s
Average temperature	°C	Adjustable from 60 s ... 3600 s
<b>Operating hours counter</b>		
Operating hours counter	h	60 s
Operating hours counter with load current > Limit value	h	60 s

# Cylindrical fuse links

Operational class gG



$I_n$	$U_n$ AC	Size 8 x 32 mm	Size 10 x 38 mm	Size 14 x 51 mm	Size 22 x 58 mm
0.5 A	500 V	–	3NW6000-1	–	–
1 A	500 V	–	3NW6011-1	–	–
2 A	400 V	3NW6302-1	–	–	–
	500 V	–	3NW6002-1	–	–
4 A	400 V	3NW6304-1	–	–	–
	500 V	–	3NW6004-1	–	–
	690 V	–	–	3NW6104-1	–
6 A	400 V	3NW6301-1	–	–	–
	500 V	–	3NW6001-1	–	–
	690 V	–	–	3NW6101-1	–
8 A	500 V	–	3NW6008-1	–	–
	690 V	–	–	3NW6108-1	–
10 A	400 V	3NW6303-1	–	–	–
	500 V	–	3NW6003-1	–	–
	690 V	–	–	3NW6103-1	–
12 A	500 V	–	3NW6006-1	–	–
	690 V	–	–	3NW6106-1	–
16 A	400 V	3NW6305-1	–	–	–
	500 V	–	3NW6005-1	–	–
	690 V	–	–	3NW6105-1	3NW6205-1
20 A	400 V	3NW6307-1	–	–	–
	500 V	–	3NW6007-1	–	–
	690 V	–	–	3NW6107-1	3NW6207-1
25 A	500 V	–	3NW6010-1	–	–
	690 V	–	–	3NW6110-1	3NW6210-1
32 A	400 V	–	3NW6012-1	–	–
	690 V	–	–	3NW6112-1	3NW6212-1
40 A	500 V	–	–	3NW6117-1	–
	690 V	–	–	–	3NW6217-1
50 A	500 V	–	–	3NW6120-1	–
	690 V	–	–	–	3NW6220-1
63 A	500 V	–	–	–	3NW6222-1
80 A	500 V	–	–	–	3NW6224-1
100 A	500 V	–	–	–	3NW6230-1

7

## Operational class aM



$I_n$	$U_n$ AC			
0.5 A	500 V	3NW8000-1	–	–
1 A	500 V	3NW8011-1	–	–
2 A	500 V	3NW8002-1	–	–
	690 V	–	3NW8102-1	–
4 A	500 V	3NW8004-1	–	–
	690 V	–	3NW8104-1	–
6 A	500 V	3NW8001-1	–	–
	690 V	–	3NW8101-1	–
8 A	500 V	3NW8008-1	–	–
	690 V	–	3NW8108-1	–
10 A	500 V	3NW8003-1	–	–
	690 V	–	3NW8103-1	–
12 A	500 V	3NW8006-1	–	–
	690 V	–	3NW8106-1	–
16 A	500 V	3NW8005-1	3NW8105-1	–
	690 V	–	–	3NW8205-1
20 A	400 V	3NW8007-1	–	–
	500 V	–	3NW8107-1	–
	690 V	–	–	3NW8207-1
25 A	400 V	3NW8010-1	–	–
	500 V	–	3NW8110-1	–
	690 V	–	–	3NW8210-1
32 A	400 V	3NW8012-1	–	–
	500 V	–	3NW8112-1	–
	690 V	–	–	3NW8212-1
40 A	500 V	–	3NW8117-1	–
	690 V	–	–	3NW8217-1
50 A	400 V	–	3NW8120-1	–
	690 V	–	–	3NW8220-1
63 A	500 V	–	–	3NW8222-1
80 A	500 V	–	–	3NW8224-1
100 A	500 V	–	–	3NW8230-1

# SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class gS, with blade contacts without slots



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC					
16 A	200 A <sup>2</sup> s	4 W	1.00	690 V <sup>1)</sup>	3NE1813-0	–	–	–	–
20 A	430 A <sup>2</sup> s	5 W	1.00	690 V <sup>1)</sup>	3NE1814-0	–	–	–	–
25 A	780 A <sup>2</sup> s	5 W	1.00	690 V <sup>1)</sup>	3NE1815-0	–	–	–	–
35 A	1700 A <sup>2</sup> s	3.5 W	1.00	690 V <sup>1)</sup>	3NE1803-0	–	–	–	–
40 A	3000 A <sup>2</sup> s	3 W	1.00	690 V <sup>1)</sup>	3NE1802-0	–	–	–	–
50 A	4400 A <sup>2</sup> s	6 W	1.00	690 V <sup>1)</sup>	3NE1817-0	–	–	–	–
63 A	9000 A <sup>2</sup> s	7 W	1.00	690 V <sup>1)</sup>	3NE1818-0	–	–	–	–
80 A	18000 A <sup>2</sup> s	8 W	1.00	690 V <sup>1)</sup>	3NE1820-0	–	–	–	–
100 A	33000 A <sup>2</sup> s	10 W	1.00	690 V <sup>1)</sup>	–	3NE1021-0	–	–	–
125 A	63000 A <sup>2</sup> s	11 W	1.00	690 V <sup>1)</sup>	–	3NE1022-0	–	–	–
160 A	60000 A <sup>2</sup> s	24 W	1.00	690 V <sup>1)</sup>	–	–	3NE1224-0	–	–
200 A	100000 A <sup>2</sup> s	27 W	1.00	690 V <sup>1)</sup>	–	–	3NE1225-0	–	–
250 A	200000 A <sup>2</sup> s	30 W	1.00	690 V <sup>1)</sup>	–	–	3NE1227-0	–	–
315 A	310000 A <sup>2</sup> s	38 W	1.00	690 V <sup>1)</sup>	–	–	3NE1230-0	–	–
350 A	430000 A <sup>2</sup> s	42 W	1.00	690 V <sup>1)</sup>	–	–	–	3NE1331-0	–
400 A	590000 A <sup>2</sup> s	45 W	1.00	690 V <sup>1)</sup>	–	–	–	3NE1332-0	–
450 A	750000 A <sup>2</sup> s	53 W	1.00	690 V <sup>1)</sup>	–	–	–	3NE1333-0	–
500 A	950000 A <sup>2</sup> s	56 W	1.00	690 V <sup>1)</sup>	–	–	–	3NE1334-0	–
560 A	1700000 A <sup>2</sup> s	50 W	1.00	690 V <sup>1)</sup>	–	–	–	–	3NE1435-0
630 A	2350000 A <sup>2</sup> s	55 W	1.00	690 V <sup>1)</sup>	–	–	–	–	3NE1436-0
710 A	3400000 A <sup>2</sup> s	58 W	1.00	690 V <sup>1)</sup>	–	–	–	–	3NE1437-0
800 A	5000000 A <sup>2</sup> s	58 W	1.00	690 V <sup>1)</sup>	–	–	–	–	3NE1438-0

Further information									
Installation in 3NH LV HRC fuse bases	■	■	■	■	■	■	■	■	■
Installation in 3NP and 3KF fuse switching devices	■	■	■	■	■	■	■	■	■

<sup>1)</sup> For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

## Operational class gR, with bolt-on links

						Size 000	Size 00
Screw fixing, mounting dimension						M8, 80 mm	M10, 80 mm
							
$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC/DC (IEC)	$U_n$ DC (UL)		
20 A	83 A <sup>2</sup> s	7 W	0.90	690 V/600 V	700 V	3NE8714-1	–
25 A	140 A <sup>2</sup> s	9 W	0.90	690 V/600 V	700 V	3NE8715-1	–
32 A	285 A <sup>2</sup> s	10 W	0.90	690 V/600 V	700 V	3NE8701-1	–
40 A	490 A <sup>2</sup> s	12 W	0.90	690 V/600 V	700 V	3NE8702-1	–
50 A	815 A <sup>2</sup> s	15 W	0.90	690 V/600 V	700 V	3NE8717-1	–
63 A	1550 A <sup>2</sup> s	16 W	0.95	690 V/700 V	700 V	3NE8718-1	–
80 A	3200 A <sup>2</sup> s	23 W	on req.	690 V/440 V	–	–	3NE8020-3MK
100 A	5200 A <sup>2</sup> s	29 W	on req.	690 V/440 V	–	–	3NE8021-3MK
Further information							
Screw fixing						■	■
Installation in SITOR fuse bases						3NH5023	3NH5023
Further currents, operational class aR						<a href="#">See page 7/66</a>	<a href="#">See page 7/66</a>

# SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class gR, with blade contacts without slots

Size 000



Size 00



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC/DC		
6 A	37 A <sup>2</sup> s	2.7 W	on req.	690 V/400 V	3NE8810-OMK	–
10 A	50 A <sup>2</sup> s	4.5 W	on req.	690 V/400 V	3NE8812-OMK	–
16 A	73 A <sup>2</sup> s	6.7 W	on req.	690 V/400 V	3NE8813-OMK	–
20 A	90 A <sup>2</sup> s	8 W	on req.	690 V/400 V	3NE8814-OMK	–
25 A	150 A <sup>2</sup> s	8.1 W	on req.	690 V/400 V	3NE8815-OMK	–
	180 A <sup>2</sup> s	7 W	0.95	690 V <sup>1)</sup> /–	–	3NE8015-1
32 A	280 A <sup>2</sup> s	12 W	0.90	1000 V <sup>1)</sup> /–	–	–
	350 A <sup>2</sup> s	10.5 W	on req.	690 V/400 V	3NE8801-OMK	–
35 A	400 A <sup>2</sup> s	9 W	0.95	690 V <sup>1)</sup> /–	–	3NE8003-1
40 A	480 A <sup>2</sup> s	12 W	on req.	690 V/400 V	3NE8802-OMK	–
	500 A <sup>2</sup> s	13 W	0.90	1000 V <sup>1)</sup> /–	–	–
50 A	700 A <sup>2</sup> s	14 W	0.90	690 V <sup>1)</sup> /–	–	3NE8017-1
	800 A <sup>2</sup> s	16 W	0.90	1000 V <sup>1)</sup> /–	–	–
	1050 A <sup>2</sup> s	14.5 W	on req.	690 V/400 V	3NE8817-OMK	–
63 A	1400 A <sup>2</sup> s	16 W	0.95	690 V <sup>1)</sup> /–	–	3NE8018-1
	1960 A <sup>2</sup> s	23 W	on req.	690 V/400 V	3NE8818-OMK	–
80 A	5800 A <sup>2</sup> s	10.5 W	1.00	690 V <sup>1)</sup> /–	–	3NE1020-2
100 A	11000 A <sup>2</sup> s	12 W	1.00	690 V <sup>1)</sup> /–	–	3NE1021-2
125 A	23000 A <sup>2</sup> s	13.5 W	1.00	690 V <sup>1)</sup> /–	–	3NE1022-2
160 A	18600 A <sup>2</sup> s	32 W	1.00	690 V <sup>1)</sup> /–	–	–
200 A	51800 A <sup>2</sup> s	35 W	1.00	690 V <sup>1)</sup> /–	–	–
250 A	80900 A <sup>2</sup> s	37 W	1.00	690 V <sup>1)</sup> /–	–	–
315 A	168000 A <sup>2</sup> s	40 W	1.00	690 V <sup>1)</sup> /–	–	–
350 A	177000 A <sup>2</sup> s	43 W	1.00	690 V <sup>1)</sup> /–	–	–
400 A	224000 A <sup>2</sup> s	50 W	1.00	690 V <sup>1)</sup> /–	–	–
450 A	276500 A <sup>2</sup> s	58 W	1.00	690 V <sup>1)</sup> /–	–	–
500 A	398000 A <sup>2</sup> s	64 W	1.00	690 V <sup>1)</sup> /–	–	–
560 A	890000 A <sup>2</sup> s	60 W	1.00	690 V <sup>1)</sup> /–	–	–
630 A	1390000 A <sup>2</sup> s	60 W	1.00	690 V <sup>1)</sup> /–	–	–
670 A	1640000 A <sup>2</sup> s	64 W	1.00	690 V <sup>1)</sup> /–	–	–
710 A	1818000 A <sup>2</sup> s	72 W	1.00	690 V <sup>1)</sup> /–	–	–
	2460000 A <sup>2</sup> s	65 W	1.00	690 V <sup>1)</sup> /–	–	–
800 A	2475000 A <sup>2</sup> s	84 W	1.00	690 V <sup>1)</sup> /–	–	–
	3350000 A <sup>2</sup> s	72 W	1.00	600 V <sup>1)</sup> /–	–	–
850 A	3640000 A <sup>2</sup> s	76 W	1.00	690 V <sup>1)</sup> /–	–	–

**Further information**

Installation in 3NH LV HRC fuse bases	■	■
Installation in 3NP and 3KF fuse switching devices	■	■
Further currents, operational class aR	See page 7/67	–

<sup>1)</sup> For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)



# SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class gR, with slotted blade contacts

Screw fixing, mounting dimension (lateral)

With 2 oblong slots

Size 3

M10, 110 mm



With oblong and transverse slots

Size 1

M10, 110 mm



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC/DC				
32 A	4500 A <sup>2</sup> s	9 W	on req.	1000 V/600 V	–	–	–	3NE3201-OMK
40 A	900 A <sup>2</sup> s	26 W	on req.	1500 V/1000 V	–	–	–	–
	6000 A <sup>2</sup> s	13 W	on req.	1000 V/600 V	–	–	–	3NE3202-OMK
50 A	1800 A <sup>2</sup> s	27 W	on req.	1500 V/1000 V	–	–	–	–
	8000 A <sup>2</sup> s	18 W	on req.	1000 V/600 V	–	–	–	3NE3217-OMK
63 A	3100 A <sup>2</sup> s	34 W	on req.	1500 V/1000 V	–	–	–	–
	9000 A <sup>2</sup> s	25 W	on req.	1000 V/600 V	–	–	–	3NE3218-OMK
150 A	17600 A <sup>2</sup> s	40 W	0.85	690 V <sup>1)l</sup> –	–	3NC8423-OC	–	–
	33000 A <sup>2</sup> s	35 W	0.85	500 V l–	3NC2423-OC	–	–	–
160 A	18600 A <sup>2</sup> s	32 W	1.00	690 V <sup>1)l</sup> –	–	–	3NE1224-3	–
200 A	38400 A <sup>2</sup> s	55 W	0.85	690 V <sup>1)l</sup> –	–	3NC8425-OC	–	–
	51800 A <sup>2</sup> s	35 W	1.00	690 V <sup>1)l</sup> –	–	–	3NE1225-3	–
	64000 A <sup>2</sup> s	40 W	0.85	500 V l–	3NC2425-OC	–	–	–
250 A	70400 A <sup>2</sup> s	72 W	0.85	690 V <sup>1)l</sup> –	–	3NC8427-OC	–	–
	80900 A <sup>2</sup> s	37 W	1.00	690 V <sup>1)l</sup> –	–	–	3NE1227-3	–
	99000 A <sup>2</sup> s	50 W	0.85	500 V l–	3NC2427-OC	–	–	–
300 A	132000 A <sup>2</sup> s	65 W	0.85	500 V l–	3NC2428-OC	–	–	–
315 A	168000 A <sup>2</sup> s	40 W	1.00	690 V <sup>1)l</sup> –	–	–	3NE1230-3	–
350 A	176000 A <sup>2</sup> s	95 W	0.85	690 V <sup>1)l</sup> –	–	3NC8431-OC	–	–
	177000 A <sup>2</sup> s	43 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
	249000 A <sup>2</sup> s	60 W	0.85	500 V l–	3NC2431-OC	–	–	–
400 A	224000 A <sup>2</sup> s	50 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
450 A	276500 A <sup>2</sup> s	58 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
500 A	398000 A <sup>2</sup> s	64 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
	448000 A <sup>2</sup> s	130 W	0.85	690 V <sup>1)l</sup> –	–	3NC8434-OC	–	–
560 A	890000 A <sup>2</sup> s	60 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
630 A	1390000 A <sup>2</sup> s	60 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
670 A	1640000 A <sup>2</sup> s	64 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
710 A	1818000 A <sup>2</sup> s	72 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
800 A	2475000 A <sup>2</sup> s	84 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
850 A	3640000 A <sup>2</sup> s	76 W	1.00	690 V <sup>1)l</sup> –	–	–	–	–
1000 A	1400000 A <sup>2</sup> s	138 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–
1100 A	3000000 A <sup>2</sup> s	110 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–
1250 A	4100000 A <sup>2</sup> s	104 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–
1350 A	4800000 A <sup>2</sup> s	126 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–
1400 A	5200000 A <sup>2</sup> s	127 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–
1600 A	6900000 A <sup>2</sup> s	152 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–
1700 A	6400000 A <sup>2</sup> s	179 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–
	10000000 A <sup>2</sup> s	143 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–
1900 A	8200000 A <sup>2</sup> s	196 W	1.00	690 V <sup>3)l</sup> –	–	–	–	–

#### Further information

Screw fixing	■	■	■	■
Installation in SITOR fuse bases	3NH5463	3NH5463	3NH5463	3NH5463
Installation in LV HRC fuse bases	■	■	■	■
Installation in fuse switching devices	■	■	■	■
Further currents, operational class aR	See page 7/68	–	–	–

<sup>1)</sup> For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

<sup>2)</sup> Minimum clearance 90 mm

<sup>3)</sup> UL voltage 700 V AC

Size 2		Size 3		Size 2 × 3		Size 3 × 3	
M10, 110 mm	M10, 170 mm	M10, 110 mm		M12, 110 mm	M12, 110 mm <sup>2)</sup>	M12, 110 mm <sup>2)</sup>	
							
-	-	-	-	-	-	-	-
-	3NE5302-0MK06	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	3NE5317-0MK06	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	3NE5318-0MK06	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	3NC8423-3C	-	-	-	-
-	-	3NC2423-3C	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	3NC8425-3C	-	-	-	-
-	-	-	-	-	-	-	-
-	-	3NC2425-3C	-	-	-	-	-
-	-	-	3NC8427-3C	-	-	-	-
-	-	-	-	-	-	-	-
-	-	3NC2427-3C	-	-	-	-	-
-	-	3NC2428-3C	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	3NC8431-3C	-	-	-	-
3NE1331-3	-	-	-	-	-	-	-
-	-	3NC2431-3C	-	-	-	-	-
3NE1332-3	-	-	-	-	-	-	-
3NE1333-3	-	-	-	-	-	-	-
3NE1334-3	-	-	-	-	-	-	-
-	-	-	3NC8434-3C	-	-	-	-
-	-	-	-	3NE1435-3	-	-	-
-	-	-	-	3NE1436-3	-	-	-
-	-	-	-	3NE1447-3	-	-	-
-	-	-	-	3NE1437-3	-	-	-
-	-	-	-	3NE1438-3	-	-	-
-	-	-	-	3NE1448-3	-	-	-
-	-	-	-	-	3NB3350-1KK26	-	-
-	-	-	-	-	3NB3351-1KK26	-	-
-	-	-	-	-	3NB3352-1KK26	-	-
-	-	-	-	-	3NB3354-1KK26	-	-
-	-	-	-	-	3NB3355-1KK26	-	-
-	-	-	-	-	3NB3357-1KK26	-	-
-	-	-	-	-	-	3NB3358-1KK27	-
-	-	-	-	-	3NB3358-1KK26	-	-
-	-	-	-	-	-	3NB3362-1KK27	-
■	■	■	■	■	■	■	■
3NH5463	3NH5473	3NH5463	3NH5463	3NH5463	-	-	-
■	■	■	■	■	-	-	-
■	■	■	■	■	-	-	-
-	-	See page 7/70	See page 7/70	See page 7/70	-	-	-

# SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class aR, with bolt-on links

Screw fixing, mounting dimension

Size 000

M8, 80 mm

M10, 80 mm

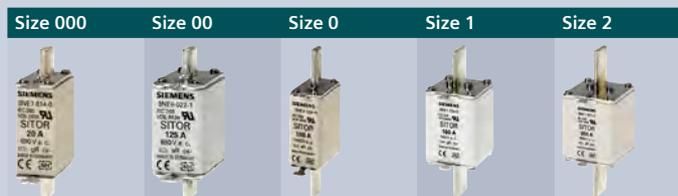


$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC/DC (IEC)	$U_n$ DC (UL)		
80 A	2700 A <sup>2</sup> s	18 W	0.90	690 V/600 V	700 V	3NE8720-1	–
100 A	4950 A <sup>2</sup> s	19 W	0.95	690 V/600 V	700 V	3NE8721-1	–
125 A	9100 A <sup>2</sup> s	23 W	0.95	690 V/600 V	700 V	3NE8722-1	–
160 A	17000 A <sup>2</sup> s	31 W	0.90	690 V/600 V	700 V	3NE8724-1	–
200 A	30000 A <sup>2</sup> s	36 W	0.90	690 V/600 V	700 V	3NE8725-1	–
250 A	55000 A <sup>2</sup> s	42 W	0.90	690 V/600 V	700 V	3NE8727-1	–
315 A	85500 A <sup>2</sup> s	54 W	0.85	690 V/600 V	700 V	3NE8731-1	–
350 A	135000 A <sup>2</sup> s	58.8 W	on req.	690 V/440 V	–	–	3NE8031-3MK
400 A	170000 A <sup>2</sup> s	74.5 W	on req.	690 V/440 V	–	–	3NE8032-3MK

#### Further information

Screw fixing	■	■
Installation in SITOR fuse bases	3NH5023	3NH5023
Further currents, operational class gR	<a href="#">See page 7/61</a>	<a href="#">See page 7/61</a>

## Operational class aR, with blade contacts without slots



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC/DC	Size 000	Size 00	Size 0	Size 1	Size 2
63 A	1500 A <sup>2</sup> s	20 W	0.90	1000 V <sup>1)</sup> /–	–	–	3NE4118	–	–
80 A	2200 A <sup>2</sup> s	23.3 W	on req.	690 V/440 V	3NE8820-0MK	–	–	–	–
	2400 A <sup>2</sup> s	19 W	0.95	690 V <sup>1)</sup> /–	–	3NE8020-1	–	–	–
	3000 A <sup>2</sup> s	22 W	0.90	1000 V <sup>1)</sup> /–	–	–	3NE4120	–	–
100 A	3650 A <sup>2</sup> s	27 W	on req.	690 V/440 V	3NE8821-0MK	–	–	–	–
	6050 A <sup>2</sup> s	25.5 W	on req.	690 V/440 V	–	–	–	3NE8221-0MK	–
	4200 A <sup>2</sup> s	22 W	0.95	690 V <sup>1)</sup> /–	–	3NE8021-1	–	–	–
	6000 A <sup>2</sup> s	24 W	0.90	1000 V <sup>1)</sup> /–	–	–	3NE4121	–	–
125 A	7800 A <sup>2</sup> s	30 W	on req.	690 V/440 V	3NE8822-0MK	–	–	–	–
	8900 A <sup>2</sup> s	28.5 W	on req.	690 V/440 V	–	–	–	3NE8222-0MK	–
	6500 A <sup>2</sup> s	28 W	0.95	690 V <sup>1)</sup> /–	–	3NE8022-1	–	–	–
	14000 A <sup>2</sup> s	30 W	0.90	1000 V <sup>1)</sup> /–	–	–	3NE4122	–	–
160 A	14000 A <sup>2</sup> s	34 W	on req.	500 V/440 V	3NE8824-0MK	–	–	–	–
	16200 A <sup>2</sup> s	37 W	on req.	690 V/440 V	–	–	–	3NE8224-0MK	–
	13000 A <sup>2</sup> s	38 W	0.95	690 V <sup>1)</sup> /–	–	3NE8024-1	–	–	–
	29000 A <sup>2</sup> s	35 W	0.90	1000 V <sup>1)</sup> /–	–	–	3NE4124	–	–
200 A	26000 A <sup>2</sup> s	49 W	on req.	690 V/440 V	–	–	–	3NE8225-0MK	–
250 A	59000 A <sup>2</sup> s	52 W	on req.	690 V/440 V	–	–	–	3NE8227-0MK	–
315 A	120000 A <sup>2</sup> s	68 W	on req.	690 V/440 V	–	–	–	3NE8230-0MK	–
350 A	83500 A <sup>2</sup> s	68.6 W	on req.	690 V/440 V	–	–	–	–	3NE8331-0MK
400 A	136000 A <sup>2</sup> s	72.8 W	on req.	690 V/440 V	–	–	–	–	3NE8332-0MK
450 A	207000 A <sup>2</sup> s	80.1 W	on req.	690 V/440 V	–	–	–	–	3NE8333-0MK
500 A	318000 A <sup>2</sup> s	77.5 W	on req.	690 V/440 V	–	–	–	–	3NE8334-0MK
550 A	399000 A <sup>2</sup> s	86.4 W	on req.	690 V/440 V	–	–	–	–	3NE8335-0MK
630 A	740000 A <sup>2</sup> s	90.7 W	on req.	690 V/440 V	–	–	–	–	3NE8336-0MK
<b>Further information</b>									
Installation in 3NH LV HRC fuse bases					■	■	■	■	■
Installation in 3NP and 3KF fuse switching devices					■	■	■	■	■
Further currents, operational class gR					See page 7/62	–	See page 7/62	–	–

<sup>1)</sup> For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

# SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class aR, with slotted blade contacts



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC/DC			
80 A	3900 A <sup>2</sup> s	42 W	on req.	1500 V/1000 V	–	–	–
100 A	4800 A <sup>2</sup> s	28 W	0.95	1000 V 1/–	–	–	3NE3221
	3200 A <sup>2</sup> s	25 W	on req.	690 V/440 V	–	3NE8221-3MK	–
	8700 A <sup>2</sup> s	45 W	on req.	1500 V/1000 V	–	–	–
125 A	7200 A <sup>2</sup> s	36 W	0.95	1000 V 1/–	–	–	3NE3222
	6000 A <sup>2</sup> s	28 W	on req.	690 V/440 V	–	3NE8222-3MK	–
	11800 A <sup>2</sup> s	59 W	on req.	1500 V/1000 V	–	–	–
160 A	13000 A <sup>2</sup> s	42 W	1.00	1000 V 1/–	–	–	3NE3224
	10500 A <sup>2</sup> s	35 W	on req.	690 V/440 V	–	3NE8224-3MK	–
	37000 A <sup>2</sup> s	54 W	on req.	1500 V/1000 V	–	–	–
200 A	30000 A <sup>2</sup> s	42 W	1.00	1000 V 1/–	–	–	3NE3225
	17500 A <sup>2</sup> s	42 W	on req.	690 V/440 V	–	3NE8225-3MK	–
	70000 A <sup>2</sup> s	56 W	on req.	1500 V/1000 V	–	–	–
250 A	29700 A <sup>2</sup> s	105 W	0.85	800 V 1/1/–	–	–	–
	48000 A <sup>2</sup> s	50 W	1.00	1000 V 1/–	–	–	3NE3227
	28500 A <sup>2</sup> s	53.5 W	on req.	690 V/440 V	–	3NE8227-3MK	–
	165000 A <sup>2</sup> s	59 W	on req.	1500 V/1000 V	–	–	–
315 A	60700 A <sup>2</sup> s	120 W	0.85	800 V 1/1/–	–	–	–
	80000 A <sup>2</sup> s	60 W	0.95	1000 V 1/–	–	–	3NE3230-0B
	300000 A <sup>2</sup> s	245 W	on req.	–/3000 V	–	–	–
	53500 A <sup>2</sup> s	61 W	on req.	690 V/440 V	–	3NE8230-3MK	–
	250000 A <sup>2</sup> s	76 W	on req.	1500 V/1000 V	–	–	–
350 A	100000 A <sup>2</sup> s	75 W	0.95	1000 V 1/–	–	–	3NE3231
	66000 A <sup>2</sup> s	69 W	on req.	690 V/440 V	–	3NE8231-3MK	–
400 A	390000 A <sup>2</sup> s	50 W	0.85	500 V 1/1/–	3NC2432-0C	–	–
	135000 A <sup>2</sup> s	80 W	1.00	1000 V 1/–	–	–	–
		85 W	0.90	1000 V 1/–	–	–	3NE3232-0B
	110000 A <sup>2</sup> s	70.5 W	on req.	690 V/440 V	–	3NE8232-3MK	–
450 A	470000 A <sup>2</sup> s	89 W	on req.	1500 V/1000 V	–	–	–
	191000 A <sup>2</sup> s	140 W	0.85	800 V 1/1/–	–	–	–
	175000 A <sup>2</sup> s	90 W	1.00	1000 V 1/–	–	–	–
500 A		95 W	0.90	1000 V 1/–	–	–	3NE3233
	180000 A <sup>2</sup> s	71 W	on req.	690 V/440 V	–	3NE8233-3MK	–
	276000 A <sup>2</sup> s	155 W	0.85	800 V 1/1/–	–	–	–
	260000 A <sup>2</sup> s	90 W	1.00	1000 V 1/–	–	–	–
	215000 A <sup>2</sup> s	84 W	on req.	690 V/440 V	–	3NE8234-3MK	–
550 A	500000 A <sup>2</sup> s	105 W	on req.	1000 V/600 V	–	–	3NE3234-0MK08
	800000 A <sup>2</sup> s	109 W	on req.	1500 V/1000 V	–	–	–
	290000 A <sup>2</sup> s	87 W	on req.	690 V/440 V	–	3NE8235-3MK	–
560 A	700000 A <sup>2</sup> s	110 W	on req.	1000 V/600 V	–	–	3NE3235-0MK08
	360000 A <sup>2</sup> s	95 W	1.00	1000 V 1/–	–	–	–
630 A	600000 A <sup>2</sup> s	100 W	1.00	1000 V 1/–	–	–	–
	440000 A <sup>2</sup> s	96 W	on req.	690 V/440 V	–	3NE8236-3MK	–
	850000 A <sup>2</sup> s	127 W	on req.	1000 V/600 V	–	–	3NE3236-0MK08
	1100000 A <sup>2</sup> s	163 W	on req.	1500 V/1000 V	–	–	–
710 A	923000 A <sup>2</sup> s	155 W	0.95	800 V 1/1/–	–	–	–
	800000 A <sup>2</sup> s	105 W	1.00	900 V 1/1/–	–	–	–
800 A	850000 A <sup>2</sup> s	130 W	0.95	800 V 1/1/–	–	–	–
900 A	920000 A <sup>2</sup> s	165 W	0.95	690 V 1/1/–	–	–	–

#### Further information

Screw fixing	■	■	■
Installation in SITOR fuse bases	3NH5463	3NH5423	3NH5463
Installation in 3NH3 LV HRC fuse bases	■	–	■
Installation in 3NP and 3KF fuse switching devices	■	–	■
Further currents, operational class gR	See page 7/64	–	–

<sup>1)</sup> For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

Size 2

M10, 110 mm



M10, 170 mm



M10, 190 mm



M12, 260 mm



M10, 110 mm	M10, 170 mm	M10, 190 mm	M12, 260 mm
–	3NE5320-0MK06	–	–
–	–	–	–
–	–	–	–
–	3NE5321-0MK06	–	–
–	–	–	–
–	–	–	–
–	3NE5322-0MK06	–	–
–	–	–	–
–	–	–	–
–	3NE5324-0MK06	–	–
–	–	–	–
–	–	–	–
–	3NE5325-0MK06	–	–
3NE4327-0B	–	–	–
–	–	–	–
–	–	–	–
–	3NE5327-0MK06	–	–
3NE4330-0B	–	–	–
–	–	–	–
–	–	–	3NE9330-0MK07
–	–	–	–
–	3NE5330-0MK06	–	–
–	–	–	–
–	–	–	–
3NE3332-0B	–	–	–
–	–	–	–
–	–	–	–
–	3NE5332-0MK06	–	–
3NE4333-0B	–	–	–
3NE3333	–	–	–
–	–	–	–
–	–	–	–
3NE4334-0B	–	–	–
3NE3334-0B	–	–	–
–	–	–	–
–	–	–	–
–	3NE5334-0MK06	–	–
–	–	–	–
–	–	–	–
3NE3335	–	–	–
3NE3336	–	–	–
–	–	–	–
–	–	–	–
–	3NE5336-0MK06	3NE5336-0MK66	–
3NE4337	–	–	–
3NE3337-8	–	–	–
3NE3338-8	–	–	–
3NE3340-8	–	–	–
–	–	–	–
■ 3NH5463	■ 3NH5473	■ 3NH5473	–
■	–	–	–
■	–	–	–
–	See page 7/64	–	–

# SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class aR, with slotted blade contacts

Screw fixing, mounting dimension	With oblong and transverse slots Size 3			
	M10, 110 mm	M10, 130 mm	M10, 170 mm	M10, 210 mm
				

$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC <sup>1)</sup>				
100 A	13500 A <sup>2</sup> s	25 W	1.00	1000 V	–	3NE3421-0C	–	–
125 A	34500 A <sup>2</sup> s	78 W	1.00	2500 V	–	–	–	–
160 A	54000 A <sup>2</sup> s	56 W	1.00	1500 V	–	–	–	3NE5424-0C
200 A	138000 A <sup>2</sup> s	75 W	1.00	2000 V	–	–	–	3NE7425-0U
224 A	54000 A <sup>2</sup> s	85 W	1.00	1000 V	–	3NE3626-0C	–	–
	138000 A <sup>2</sup> s	80 W	1.00	1500 V	–	–	–	3NE5426-0C
250 A	84000 A <sup>2</sup> s	130 W	1.00	1500 V	–	–	3NE5627-0C	–
	218000 A <sup>2</sup> s	110 W	1.00	2000 V	–	–	–	3NE7427-0U
315 A	218000 A <sup>2</sup> s	80 W	1.00	1000 V	–	3NE3430-0C	–	–
	72500 A <sup>2</sup> s	80 W	0.95	1250 V	–	–	–	–
	311000 A <sup>2</sup> s	115 W	1.00	1500 V	–	–	–	3NE5430-0C
350 A	428000 A <sup>2</sup> s	135 W	1.00	1500 V	–	–	–	3NE5431-0C
	555000 A <sup>2</sup> s	120 W	1.00	2000 V	–	–	–	3NE7431-0U
400 A	390000 A <sup>2</sup> s	50 W	0.85	500 V	3NC2432-3C	–	–	–
	364000 A <sup>2</sup> s	110 W	1.00	1000 V	–	3NE3432-0C	–	–
	163000 A <sup>2</sup> s	95 W	0.95	1250 V	–	–	–	–
	620000 A <sup>2</sup> s	205 W	1.00	2500 V	–	–	–	–
	870000 A <sup>2</sup> s	150 W	1.00	2000 V	–	–	–	3NE7432-0U
450 A	488000 A <sup>2</sup> s	110 W	1.00	1000 V	–	3NE3635-0C	–	–
	590000 A <sup>2</sup> s	160 W	1.00	1500 V	–	–	3NE5633-0C	–
	870000 A <sup>2</sup> s	145 W	0.95	1500 V	–	–	–	3NE5433-0C
	960000 A <sup>2</sup> s	160 W	1.00	2000 V	–	–	–	3NE7633-0U
500 A	870000 A <sup>2</sup> s	95 W	1.00	1000 V	–	3NE3434-0C	–	–
	290000 A <sup>2</sup> s	115 W	0.90	1250 V	–	–	–	–
	1270000 A <sup>2</sup> s	235 W	1.00	2500 V	–	–	–	–
525 A	1120000 A <sup>2</sup> s	210 W	1.00	2000 V	–	–	–	–
600 A	1950000 A <sup>2</sup> s	145 W	1.00	1500 V	–	–	3NE5643-0C	–
630 A	244000 A <sup>2</sup> s	120 W	0.85	690 V	–	–	–	–
	418000 A <sup>2</sup> s	145 W	0.85	1000 V	–	–	–	–
	1280000 A <sup>2</sup> s	132 W	1.00	1000 V	–	3NE3636-0C	–	–
	650000 A <sup>2</sup> s	120 W	0.95	1250 V	–	–	–	–
	1950000 A <sup>2</sup> s	220 W	1.00	2000 V	–	–	–	3NE7636-0U
710 A	2800000 A <sup>2</sup> s	275 W	1.00	2500 V	–	–	–	–
	346000 A <sup>2</sup> s	130 W	0.85	690 V	–	–	–	–
	569000 A <sup>2</sup> s	150 W	0.85	1000 V	–	–	–	–
	1950000 A <sup>2</sup> s	145 W	1.00	1000 V	–	3NE3637-0C	–	–
800 A	3110000 A <sup>2</sup> s	275 W	1.00	2000 V	–	–	–	–
	498000 A <sup>2</sup> s	135 W	0.90	690 V	–	–	–	–
	819000 A <sup>2</sup> s	155 W	0.85	1000 V	–	–	–	–
900 A	985000 A <sup>2</sup> s	145 W	0.90	1100 V	–	–	–	–
	677000 A <sup>2</sup> s	145 W	0.90	690 V	–	–	–	–
1000 A	1160000 A <sup>2</sup> s	165 W	0.90	1000 V	–	–	–	–
	2480000 A <sup>2</sup> s	140 W	0.85	600 V	3NC8444-3C	–	–	–
1100 A	975000 A <sup>2</sup> s	155 W	0.95	690 V	–	–	–	–
	1670000 A <sup>2</sup> s	170 W	0.90	1000 V	–	–	–	–
	1382000 A <sup>2</sup> s	165 W	0.95	690 V	–	–	–	–
1250 A	1910000 A <sup>2</sup> s	185 W	0.90	800 V	–	–	–	–
	1990000 A <sup>2</sup> s	175 W	0.95	690 V	–	–	–	–
1400 A	2600000 A <sup>2</sup> s	210 W	0.90	800 V	–	–	–	–
	2100000 A <sup>2</sup> s	200 W	0.95	500 V	–	–	–	–
1600 A	2860000 A <sup>2</sup> s	240 W	0.90	500 V	–	–	–	–

#### Further information

Screw fixing	■	■	■	■
Installation in SITOR fuse bases	3NH5463	–	3NH5473	–
Installation in 3NH LV HRC fuse bases	■	–	–	–
Installation in 3NP and 3KF fuse switching devices	■	–	–	–
Further currents, operational class gR	<a href="#">See page 7/64</a>	–	–	–

<sup>1)</sup> For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

M12, 80 mm	M12, 110 mm	M12, 140 mm	M12, 210 mm	M12, 260 mm
				
-	-	-	-	-
-	-	-	-	3NE9622-1C
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	3NC3430-1U	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	3NC3432-1U	-	-	-
-	-	-	-	3NE9632-1C
-	-	-	-	-
-	-	-	-	-
-	-	-	3NE5433-1C	-
-	-	-	3NE7633-1U	-
-	-	-	-	-
-	3NC3434-1U	-	-	-
-	-	-	-	3NE9634-1C
-	-	-	3NE7648-1U	-
-	-	-	-	-
3NC3236-1U	-	-	-	-
-	3NC3336-1U	-	-	-
-	-	-	-	-
-	3NC3436-1U	-	-	-
-	-	-	3NE7636-1U	-
-	-	-	-	3NE9636-1C
3NC3237-1U	-	-	-	-
-	3NC3337-1U	-	-	-
-	-	3NE3637-1C	-	-
-	-	-	3NE7637-1U	-
3NC3238-1U	-	-	-	-
-	3NC3338-1U	-	-	-
-	3NC3438-1U	-	-	-
3NC3240-1U	-	-	-	-
-	3NC3340-1U	-	-	-
-	-	-	-	-
3NC3241-1U	-	-	-	-
-	3NC3341-1U	-	-	-
3NC3242-1U	-	-	-	-
-	3NC3342-1U	-	-	-
3NC3243-1U	-	-	-	-
-	3NC3343-1U	-	-	-
3NC3244-1U	-	-	-	-
3NC3245-1U	-	-	-	-
■	■	■	■	■
-	3NH5463	-	-	-
-	■	-	-	-
-	■	-	-	-
-	-	-	-	-

# SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class aR, with female thread at both ends



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC <sup>1)</sup>		
315 A	72500 A <sup>2</sup> s	80 W	0.95	1250 V	–	–
400 A	163000 A <sup>2</sup> s	95 W	0.95	1250 V	–	–
450 A	488000 A <sup>2</sup> s	110 W	1.00	1000 V	3NE3635-6	–
500 A	290000 A <sup>2</sup> s	115 W	0.90	1250 V	–	–
630 A	244000 A <sup>2</sup> s	125 W	0.90	690 V	–	3NC3236-6U
	418000 A <sup>2</sup> s	130 W	0.90	1000 V	–	–
	650000 A <sup>2</sup> s	120 W	0.95	1250 V	–	–
710 A	346000 A <sup>2</sup> s	130 W	0.90	690 V	–	3NC3237-6U
	569000 A <sup>2</sup> s	140 W	0.90	1000 V	–	–
800 A	498000 A <sup>2</sup> s	135 W	0.95	690 V	–	3NC3238-6U
	819000 A <sup>2</sup> s	150 W	0.90	1000 V	–	–
	985000 A <sup>2</sup> s	145 W	0.95	1100 V	–	–
900 A	677000 A <sup>2</sup> s	140 W	0.95	690 V	–	3NC3240-6U
	1160000 A <sup>2</sup> s	160 W	0.95	1000 V	–	–
1000 A	975000 A <sup>2</sup> s	145 W	1.00	690 V	–	3NC3241-6U
	1670000 A <sup>2</sup> s	165 W	0.95	1000 V	–	–
1100 A	1382000 A <sup>2</sup> s	150 W	1.00	690 V	–	3NC3242-6U
	1910000 A <sup>2</sup> s	175 W	0.95	800 V	–	–
1250 A	1990000 A <sup>2</sup> s	155 W	1.00	690 V	–	3NC3243-6U
	2600000 A <sup>2</sup> s	185 W	0.95	800 V	–	–
1400 A	2100000 A <sup>2</sup> s	175 W	1.00	500 V	–	3NC3244-6U
1600 A	2860000 A <sup>2</sup> s	195 W	0.95	500 V	–	3NC3245-6U

**Further information**

Screw fixing ■ ■

<sup>1)</sup> For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

7

M12, 73 mm



M12, 73 mm



–	3NC3430-6U
–	3NC3432-6U
–	–
–	3NC3434-6U
–	–
3NC3336-6U	–
–	3NC3436-6U
–	–
3NC3337-6U	–
–	–
3NC3338-6U	–
–	3NC3438-6U
–	–
3NC3340-6U	–
–	–
3NC3341-6U	–
–	–
3NC3342-6U	–
–	–
3NC3343-6U	–
–	–
–	–
■	■

# SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class gR, special designs

					Without installation bracket	With installation bracket For SITOR 6QG11 thyristor sets
					Screw fixing, flange dimension	
					M10, 89 mm	
$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC		
50 A	1100 A <sup>2</sup> s	20 W	0.85	600 V	–	3NE4117-5
850 A	2480000 A <sup>2</sup> s	85 W	1.00	1000 V	3NE9440-6	–
<b>Further information</b>						
Screw fixing					■	■



Operational class aR, special designs

					Without installation bracket	For air-cooled rectifiers in electrolysis systems
					For screwing onto water-cooled busbars	
					Flange dimension	
					83 mm	89 mm
$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	Varying load factor WL	$U_n$ AC		
100 A	7400 A <sup>2</sup> s	35 W	0.85	1000 V	–	–
170 A	60500 A <sup>2</sup> s	43 W	0.85	800 V	–	–
200 A	44000 A <sup>2</sup> s	50 W	0.85	1000 V	–	–
250 A	635000 A <sup>2</sup> s	25 W	0.90	680 V	–	–
	29700 A <sup>2</sup> s	105 W	0.85	800 V	–	–
315 A	60700 A <sup>2</sup> s	120 W	0.85	800 V	–	–
350 A	1430000 A <sup>2</sup> s	32 W	0.90	680 V	–	–
450 A	191000 A <sup>2</sup> s	140 W	0.85	800 V	–	–
	395000 A <sup>2</sup> s	90 W	0.85	1000 V	–	–
500 A	276000 A <sup>2</sup> s	155 W	0.85	800 V	–	–
600 A	888000 A <sup>2</sup> s	150 W	0.90	1000 V	3NC5840	–
630 A	888000 A <sup>2</sup> s	145 W	0.90	800 V	3NC5841	–
710 A	923000 A <sup>2</sup> s	155 W	0.95	800 V	–	–
	620000 A <sup>2</sup> s	150 W	0.90	900 V	3NE6437-7	3NE6437
800 A	1728000 A <sup>2</sup> s	170 W	0.90	1000 V	3NC5838	–
900 A	1920000 A <sup>2</sup> s	170 W	0.90	900 V	–	3NE6444
1250 A	2480000 A <sup>2</sup> s	210 W	0.90	600 V	3NE9450-7	3NE9450
<b>Further information</b>						
Screw fixing					■	■



For mounting directly in the railway supply rectifier	For SITOR 6QG12 thyristor sets 77 mm	With installation bracket For SITOR 6QG10 thyristor sets	For SITOR 6QG11 thyristor sets
			
-	-	-	3NE4121-5
-	-	-	3NE4146-5
-	-	3NE3525-5	-
3NC7327-2	-	-	-
-	3NE4327-6B	-	-
-	3NE4330-6B	-	-
3NC7331-2	-	-	-
-	3NE4333-6B	-	-
-	-	3NE3535-5	-
-	3NE4334-6B	-	-
-	-	-	-
-	-	-	-
-	3NE4337-6	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
■	■	■	■

# SITOR semiconductor fuse links, LV HRC design (DC)

Operational class aR, with slotted blade contacts

Screw fixing, Mounting dimensions



$I_n$	Switch-off $I^2t$ value at $U_{VSI}^{1)}$	Power loss $P_v$	$U_n$ DC/ $U_{VSI}$ DC (IEC)	$U_n$ DC (UL)	Size 1L	Size 2L	Size 3L	Size 2 x 3L
25 A	100 A <sup>2</sup> s	8.2 W	440 V/700 V	500 V	-	-	-	-
32 A	220 A <sup>2</sup> s	10.8 W	440 V/700 V	500 V	-	-	-	-
40 A	270 A <sup>2</sup> s	12.5 W	440 V/700 V	500 V	-	-	-	-
50 A	480 A <sup>2</sup> s	16 W	440 V/700 V	500 V	-	-	-	-
63 A	1100 A <sup>2</sup> s	18.5	440 V/700 V	500 V	-	-	-	-
80 A	2600 A <sup>2</sup> s	23 W	440 V/700 V	500 V	-	-	-	-
	1800 A <sup>2</sup> s	42 W	1000 V/1250 V	1100 V	-	-	-	-
100 A	4000 A <sup>2</sup> s	29 W	440 V/700 V	500 V	-	-	-	-
	4200 A <sup>2</sup> s	28 W	600 V/1250 V	750 V	-	-	-	-
	3100 A <sup>2</sup> s	45 W	1000 V/1250 V	1100 V	-	-	-	-
125 A	4800 A <sup>2</sup> s	28.4 W	440 V/700 V	500 V	-	-	-	-
	6800 A <sup>2</sup> s	36 W	600 V/1250 V	750 V	-	-	-	-
	6000 A <sup>2</sup> s	59 W	1000 V/1250 V	1100 V	-	-	-	-
160 A	9800 A <sup>2</sup> s	35.5 W	440 V/700 V	500 V	-	-	-	-
	12600 A <sup>2</sup> s	42 W	600 V/1250 V	750 V	-	-	-	-
	13000 A <sup>2</sup> s	54 W	1000 V/1250 V	1100 V	-	-	-	-
200 A	16000 A <sup>2</sup> s	45.5 W	440 V/700 V	500 V	-	-	-	-
	24000 A <sup>2</sup> s	42 W	600 V/1250 V	750 V	-	-	-	-
	28400 A <sup>2</sup> s	56 W	1000 V/1250 V	1100 V	-	-	-	-
	100000 A <sup>2</sup> s	75 W	1100 V/1800 V	1300 V	-	-	-	-
	39000 A <sup>2</sup> s	50 W	1250 V/1500 V	1250 V	3NB1126-4KK11	-	-	-
250 A	34600 A <sup>2</sup> s	50 W	600 V/1100 V	750 V	-	-	-	-
	60100 A <sup>2</sup> s	59 W	1000 V/1250 V	1100 V	-	-	-	-
	150000 A <sup>2</sup> s	110 W	1100 V/1800 V	1300 V	-	-	-	-
	80500 A <sup>2</sup> s	51 W	1250 V/1500 V	1250 V	3NB1128-4KK11	-	-	-
315 A	69000 A <sup>2</sup> s	65 W	600 V/1100 V	750 V	-	-	-	-
	75000 A <sup>2</sup> s	80 W	900 V/1250 V	1000 V	-	-	-	-
	107000 A <sup>2</sup> s	76 W	1000 V/1250 V	1100 V	-	-	-	-
	129000 A <sup>2</sup> s	63 W	1250 V/1500 V	1250 V	-	3NB1231-4KK11	-	-
350 A	82000 A <sup>2</sup> s	75 W	600 V/1100 V	750 V	-	-	-	-
	300000 A <sup>2</sup> s	120 W	1100 V/1800 V	1300 V	-	-	-	-
400 A	109000 A <sup>2</sup> s	85 W	600 V/1100 V	750 V	-	-	-	-
	107000 A <sup>2</sup> s	95 W	900 V/1250 V	1000 V	-	-	-	-
	225000 A <sup>2</sup> s	89 W	1000 V/1250 V	1100 V	-	-	-	-
	520000 A <sup>2</sup> s	150 W	1100 V/1800 V	1300 V	-	-	-	-
	290000 A <sup>2</sup> s	68 W	1250 V/1500 V	1250 V	-	3NB1234-4KK11	-	-

Further information								
Screw fixing		■	■	■	■			
Installation in SITOR fuse bases		-	-	-	-			
Installation in 3NH LV HRC fuse bases		-	-	-	-			
Installation in 3NP and 3KF fuse switching devices		-	-	-	-			

<sup>1)</sup> For further  $I^2t$  values at  $U_n$  DC, see Configuration Manual – Fuse systems [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

Size 3 x 3L	Size 1	Size 2	Size 3	Size 3 (long)	Size 2 (long)	Size 00
M12, 190 mm	M10, 110 mm	M10, 110 mm	M12, 110 mm	M10, 210 mm	M12, 210 mm	M10, 170 mm
						
						M10, 80 mm Bolt-on bracket
-	-	-	-	-	-	3NB1713-0KK13
-	-	-	-	-	-	3NB1715-0KK13
-	-	-	-	-	-	3NB1717-0KK13
-	-	-	-	-	-	3NB1720-0KK13
-	-	-	-	-	-	3NB1721-0KK13
-	-	-	-	-	-	3NB1722-0KK13
-	-	-	-	-	-	3NB1222-3KK15
-	-	-	-	-	-	3NB1723-0KK13
-	3NB1123-1KK15	-	-	-	-	-
-	-	-	-	-	-	3NB1223-3KK15
-	-	-	-	-	-	3NB1724-0KK13
-	3NB1124-1KK15	-	-	-	-	-
-	-	-	-	-	-	3NB1224-3KK15
-	-	-	-	-	-	3NB1725-0KK13
-	3NB1125-1KK15	-	-	-	-	-
-	-	-	-	-	-	3NB1225-3KK15
-	-	-	-	-	-	3NB1726-0KK13
-	3NB1126-1KK15	-	-	-	-	-
-	-	-	-	-	-	3NB1226-3KK15
-	-	-	-	3NB1326-4KK11	-	-
-	-	-	-	-	-	-
-	3NB1128-1KK15	-	-	-	-	-
-	-	-	-	-	-	3NB1228-3KK15
-	-	-	-	3NB1328-4KK11	-	-
-	-	-	-	-	-	-
-	3NB1131-1KK15	-	-	-	-	-
-	-	-	3NB1331-3KK11	-	-	-
-	-	-	-	-	-	3NB1231-3KK15
-	-	-	-	-	-	-
-	3NB1132-1KK15	-	-	-	-	-
-	-	-	-	3NB1332-4KK11	-	-
-	3NB1134-1KK15	3NB1234-1KK15	-	-	-	-
-	-	-	3NB1334-3KK11	-	-	-
-	-	-	-	-	-	3NB1234-3KK15
-	-	-	-	3NB1334-4KK11	-	-
-	-	-	-	-	-	-
■	■	■	■	■	■	■
-	3NH5463	3NH5463	3NH5463	-	-	-
-	■	■	■	-	-	-
-	■	■	■	-	-	-

7

# SITOR semiconductor fuse links, LV HRC design (DC)

Operational class aR, with slotted blade contacts (continued)

Screw fixing, Mounting dimensions



$I_n$	Switch-off $I^2t$ value at $U_{VSI}^{1)}$	Power loss $P_v$	$U_n$ DC/ $U_{VSI}$ DC (IEC)	$U_n$ DC (UL)	Size 1L M10, 190 mm	Size 2L M12, 190 mm	Size 3L M12, 190 mm	Size 2 x 3L M12, 190 mm
450 A	125000 A <sup>2</sup> s	95 W	600 V/1100 V	750 V	-	-	-	-
	480000 A <sup>2</sup> s	160 W	1100 V/1800 V	1300 V	-	-	-	-
500 A	178000 A <sup>2</sup> s	105 W	600 V/700 V	700 V	-	-	-	-
	182000 A <sup>2</sup> s	90 W	600 V/750 V	750 V	-	-	-	-
	200000 A <sup>2</sup> s	115 W	900 V/1250 V	1000	-	-	-	-
	410000 A <sup>2</sup> s	109 W	1000 V/1250 V	1100 V	-	-	-	-
	600000 A <sup>2</sup> s	89 W	1250 V/1500 V	1250 V	-	-	3NB1337-4KK11	-
525 A	620000 A <sup>2</sup> s	210 W	1100 V/1800 V	1300 V	-	-	-	-
550 A	230000 A <sup>2</sup> s	110 W	600 V/700 V	700 V	-	-	-	-
560 A	240000 A <sup>2</sup> s	95 W	600 V/750 V	750 V	-	-	-	-
630 A	280000 A <sup>2</sup> s	127 W	600 V/700 V	700 V	-	-	-	-
	350000 A <sup>2</sup> s	100 W	600 V/750 V	750 V	-	-	-	-
	290000 A <sup>2</sup> s	120 W	600 V/1000 V	750 V	-	-	-	-
	410000 A <sup>2</sup> s	120 W	900 V/1250 V	1000 V	-	-	-	-
	520000 A <sup>2</sup> s	163 W	1000 V/1250 V	1100 V	-	-	-	-
	1000000 A <sup>2</sup> s	220 W	1100 V/1800 V	1300 V	-	-	-	-
710 A	430000 A <sup>2</sup> s	105 W	500 V/600 V	600 V	-	-	-	-
	390000 A <sup>2</sup> s	130 W	600 V/1000 V	750 V	-	-	-	-
	1150000 A <sup>2</sup> s	275 W	1100 V/1800 V	1300 V	-	-	-	-
800 A	590000 A <sup>2</sup> s	130 W	500 V/600 V	600 V	-	-	-	-
	550000 A <sup>2</sup> s	135 W	600 V/1000 V	750 V	-	-	-	-
	620000 A <sup>2</sup> s	145 W	800 V/1000 V	900 V	-	-	-	-
	1910000 A <sup>2</sup> s	135 W	1250 V/1500 V	1250 V	-	-	3NB1345-4KK11	-
	1150000 A <sup>2</sup> s	160 W	1250 V/1500 V	1250 V	-	-	-	3NB2345-4KK16
900 A	650000 A <sup>2</sup> s	165 W	500 V/600 V	600 V	-	-	-	-
	740000 A <sup>2</sup> s	145 W	600 V/1000 V	750 V	-	-	-	-
1000 A	2250000 A <sup>2</sup> s	195 W	1250 V/1500 V	1250 V	-	-	-	3NB2350-4KK16
	1050000 A <sup>2</sup> s	155 W	600 V/1000 V	750 V	-	-	-	-
1100 A	1600000 A <sup>2</sup> s	165 W	600 V/900 V	750 V	-	-	-	-
1250 A	1800000 A <sup>2</sup> s	175 W	500 V/900 V	600 V	-	-	-	-
1400 A	5100000 A <sup>2</sup> s	250 W	1250 V/1500 V	1250 V	-	-	-	3NB2355-4KK16
1600 A	7450000 A <sup>2</sup> s	275 W	1250 V/1500 V	1250 V	-	-	-	3NB2357-4KK16
2100 A	11950000 A <sup>2</sup> s	365 W	1250 V/1500 V	1250 V	-	-	-	-
2400 A	18100000 A <sup>2</sup> s	445 W	1250 V/1500 V	1250 V	-	-	-	-

Further information								
Screw fixing		■	■	■	■			
Installation in SITOR fuse bases		-	-	-	-			
Installation in 3NH LV HRC fuse bases		-	-	-	-			
Installation in 3NP and 3KF fuse switching devices		-	-	-	-			

<sup>1)</sup> For further  $I^2t$  values at  $U_n$  DC, see Configuration Manual – Fuse systems [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

Size 3 x 3L	Size 1	Size 2	Size 3	Size 3 (long)	Size 2 (long)	Size 00
M12, 190 mm	M10, 110 mm	M10, 110 mm	M12, 110 mm	M10, 210 mm	M12, 210 mm	M10, 170 mm
						
–	3NB1136-1KK15	3NB1236-1KK15	–	–	–	–
–	–	–	–	3NB1336-4KK11	3NB1336-4KK15	–
–	3NB1137-1KK11	–	–	–	–	–
–	–	3NB1237-1KK15	–	–	–	–
–	–	–	3NB1337-3KK11	–	–	–
–	–	–	–	–	–	3NB1237-3KK15
–	–	–	–	–	–	–
–	–	–	–	–	3NB1337-4KK15	–
–	3NB1138-1KK11	–	–	–	–	–
–	–	3NB1240-1KK15	–	–	–	–
–	3NB1142-1KK11	–	–	–	–	–
–	–	3NB1242-1KK15	–	–	–	–
–	–	–	3NB1342-1KK11	–	–	–
–	–	–	3NB1342-3KK11	–	–	–
–	–	–	–	–	–	3NB1242-3KK15
–	–	–	–	3NB1342-4KK11	3NB1342-4KK15	–
–	–	3NB1243-1KK15	–	–	–	–
–	–	–	3NB1343-1KK11	–	–	–
–	–	–	–	–	3NB1343-4KK15	–
–	–	3NB1245-1KK15	–	–	–	–
–	–	–	3NB1345-1KK11	–	–	–
–	–	–	3NB1345-3KK11	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	3NB1247-1KK15	–	–	–	–
–	–	–	3NB1347-1KK11	–	–	–
–	–	–	–	–	–	–
–	–	–	3NB1350-1KK11	–	–	–
–	–	–	3NB1351-1KK11	–	–	–
–	–	–	3NB1352-1KK11	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
3NB2364-4KK17	–	–	–	–	–	–
3NB2366-4KK17	–	–	–	–	–	–
■	■	■	■	■	■	■
–	3NH5463	3NH5463	3NH5463	–	–	–
–	■	■	■	–	–	–
–	■	■	■	–	–	–

# SITOR semiconductor fuse links, LV HRC design (DC)

Operational class aR, with blade contacts without slots



$I_n$	Switch-off $I^2t$ value at $U_{VSI}^{1)}$	Power loss $P_v$	$U_n$ DC/ $U_{VSI}$ DC (IEC)	$U_n$ DC (UL)	Size 00	Size 0	Size 1	Size 2
32 A	280 A <sup>2</sup> s	12 W	600 V/900 V	750 V	–	3NB1015-1KK10	–	–
40 A	330 A <sup>2</sup> s	13 W	600 V/900 V	750 V	–	3NB1017-1KK10	–	–
50 A	520 A <sup>2</sup> s	16 W	600 V/900 V	750 V	–	3NB1020-1KK10	–	–
63 A	900 A <sup>2</sup> s	20 W	600 V/900 V	750 V	–	3NB1021-1KK10	–	–
80 A	2100 A <sup>2</sup> s	22 W	600 V/900 V	750 V	–	3NB1022-1KK10	–	–
	1100 A <sup>2</sup> s	19 W	440 V/700 V	500 V	3NB1722-0KK10	–	–	–
100 A	3900 A <sup>2</sup> s	24 W	600 V/900 V	750 V	–	3NB1023-1KK10	–	–
	3100 A <sup>2</sup> s	25.5 W	440 V/600 V	500 V	–	–	3NB1123-0KK10	–
	3200 A <sup>2</sup> s	22 W	440 V/700 V	500 V	3NB1723-0KK10	–	–	–
125 A	6800 A <sup>2</sup> s	30 W	600 V/900 V	750 V	–	3NB1024-1KK10	–	–
	5400 A <sup>2</sup> s	28.5 W	440 V/600 V	500 V	–	–	3NB1124-0KK10	–
	6200 A <sup>2</sup> s	28 W	440 V/700 V	500 V	3NB1724-0KK10	–	–	–
160 A	13000 A <sup>2</sup> s	35 W	600 V/800 V	750 V	–	3NB1025-1KK10	–	–
	8500 A <sup>2</sup> s	37 W	440 V/600 V	500 V	–	–	3NB1125-0KK10	–
	8500 A <sup>2</sup> s	38 W	440 V/700 V	500 V	3NB1725-0KK10	–	–	–
200 A	14500 A <sup>2</sup> s	49 W	440 V/600 V	500 V	–	–	3NB1126-0KK10	–
250 A	30000 A <sup>2</sup> s	52 W	440 V/600 V	500 V	–	–	3NB1128-0KK10	–
315 A	75000 A <sup>2</sup> s	68 W	440 V/500 V	500 V	–	–	3NB1131-0KK10	–
350 A	45000 A <sup>2</sup> s	68.6 W	440 V/500 V	500 V	–	–	–	3NB1232-0KK10
400 A	80000 A <sup>2</sup> s	72.8 W	440 V/500 V	500 V	–	–	–	3NB1234-0KK10
450 A	100000 A <sup>2</sup> s	80.1 W	440 V/500 V	500 V	–	–	–	3NB1236-0KK10
500 A	160000 A <sup>2</sup> s	77.5 W	440 V/500 V	500 V	–	–	–	3NB1237-0KK10
550 A	230000 A <sup>2</sup> s	86.4 W	440 V/500 V	500 V	–	–	–	3NB1238-0KK10
630 A	330000 A <sup>2</sup> s	90.7 W	440 V/500 V	500 V	–	–	–	3NB1242-0KK10

Further information				
Installation in 3NH LV HRC fuse bases	■	■	■	■
Installation in 3NP and 3KF fuse switching devices	■	■	■	■

<sup>1)</sup> For further  $I^2t$  values at  $U_n$  DC, see Configuration Manual – Fuse systems [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

## Operational class aR, with female thread at both ends

Screw fixing, mounting dimension

Size 3

M12, 73 mm



$I_n$	Switch-off $I^2t$ value at $U_{VSI}$ <sup>1)</sup>	Power loss $P_v$	$U_n$ DC/ $U_{VSI}$ DC (IEC)	$U_n$ DC (UL)	
315 A	75000 A <sup>2</sup> s	80 W	900 V/1250 V	1000 V	3NB1331-3KK12
400 A	107000 A <sup>2</sup> s	95 W	900 V/1250 V	1000 V	3NB1334-3KK12
500 A	200000 A <sup>2</sup> s	115 W	900 V/1250 V	1000 V	3NB1337-3KK12
630 A	290000 A <sup>2</sup> s	130 W	600 V/1000 V	750 V	3NB1342-1KK12
	410000 A <sup>2</sup> s	120 W	900 V/1250 V	1000 V	3NB1342-3KK12
710 A	390000 A <sup>2</sup> s	140 W	600 V/1000 V	750 V	3NB1343-1KK12
800 A	550000 A <sup>2</sup> s	150 W	600 V/1000 V	750 V	3NB1345-1KK12
	620000 A <sup>2</sup> s	145 W	800 V/1000 V	900 V	3NB1345-3KK12
900 A	740000 A <sup>2</sup> s	160 W	600 V/1000 V	750 V	3NB1347-1KK12
1000 A	1050000 A <sup>2</sup> s	165 W	600 V/1000 V	750 V	3NB1350-1KK12
1100 A	1600000 A <sup>2</sup> s	175 W	600 V/900 V	750 V	3NB1351-1KK12
1250 A	1800000 A <sup>2</sup> s	185 W	500 V/900 V	600 V	3NB1352-1KK12

## Further information

Screw fixing



1) For further  $I^2t$  values at  $U_n$  DC, see Configuration Manual – Fuse systems  
[www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals) (45314810)

# SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)

Operational class gS

Size 22 x 127 mm



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	$U_n$ AC/DC	
1 A	2 A <sup>2</sup> s	2 W	1500 V/1000 V	3NC2301-OMK
2 A	4.4 A <sup>2</sup> s	2.5 W	1500 V/1000 V	3NC2302-OMK
4 A	55 A <sup>2</sup> s	5.3 W	1500 V/1000 V	3NC2304-OMK
6 A	150 A <sup>2</sup> s	6.4 W	1500 V/1000 V	3NC2306-OMK
10 A	540 A <sup>2</sup> s	3.1 W	1500 V/1000 V	3NC2310-OMK
16 A	1120 A <sup>2</sup> s	4.7 W	1500 V/1000 V	3NC2316-OMK
20 A	2850 A <sup>2</sup> s	5.4 W	1500 V/1000 V	3NC2320-OMK
25 A	3300 A <sup>2</sup> s	6.9 W	1500 V/1000 V	3NC2325-OMK
32 A	9050 A <sup>2</sup> s	6.7 W	1500 V/1000 V	3NC2332-OMK
<b>Further information</b>				
Installation in SITOR fuse holders				3NC23
Further currents, operational class gR				<a href="#">See page 7/84</a>
Further currents, operational class aR				<a href="#">See page 7/86</a>

7



# SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)

Operational class gR

Size 10 × 38 mm



Size 14 × 51 mm



Size 22 × 58 mm



Size 22 × 127 mm



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	$U_n$ AC/DC				
2 A	33 A <sup>2</sup> s	0.5 W	-/1100 V <sup>2)</sup>	3NC1202-0MK	-	-	-
4 A	99 A <sup>2</sup> s	0.7 W	-/1100 V <sup>2)</sup>	3NC1204-0MK	-	-	-
6 A	3,5 A <sup>2</sup> s	3.1 W	690 V/700 V <sup>1)</sup>	-	3NC1406-0MK	-	-
	6,5 A <sup>2</sup> s	2.5 W	690 V/440 V	3NC1006-0MK	-	-	-
	120 A <sup>2</sup> s	1.4 W	-/1100 V <sup>2)</sup>	3NC1206-0MK	-	-	-
8 A	210 A <sup>2</sup> s	1.7 W	-/1100 V <sup>2)</sup>	3NC1208-0MK	-	-	-
10 A	15 A <sup>2</sup> s	4.6 W	690 V/700 V <sup>1)</sup>	-	3NC1410-0MK	-	-
	17 A <sup>2</sup> s	4.3 W	690 V/440 V	-	-	-	-
	18 A <sup>2</sup> s	3.3 W	690 V/440 V	3NC1010-0MK	-	-	-
	260 A <sup>2</sup> s	2.3 W	-/1000 V <sup>3)</sup>	3NC1210-0MK	-	-	-
12 A	35 A <sup>2</sup> s	4 W	690 V/440 V	3NC1012-0MK	-	-	-
16 A	32 A <sup>2</sup> s	6.7 W	690 V/600 V	-	3NC1416-0MK	-	-
	45 A <sup>2</sup> s	6 W	690 V/440 V	3NC1016-0MK	-	-	-
	52 A <sup>2</sup> s	4.4 W	690 V/440 V	-	-	-	-
20 A	68 A <sup>2</sup> s	7.4 W	690 V/600 V	-	3NC1420-0MK	-	-
	90 A <sup>2</sup> s	6.5 W	690 V/440 V	-	-	-	-
	110 A <sup>2</sup> s	7.8 W	690 V/250 V	3NC1020-0MK	-	-	-
25 A	108 A <sup>2</sup> s	8.4 W	690 V/600 V	-	3NC1425-0MK	-	-
	120 A <sup>2</sup> s	9.5 W	690 V/440 V	-	-	-	-
	140 A <sup>2</sup> s	8.7 W	690 V/250 V	3NC1025-0MK	-	-	-
	160 A <sup>2</sup> s	8.5 W	690 V/440 V	-	-	-	-
	180 A <sup>2</sup> s	8.1 W	690 V/700 V <sup>1)</sup>	-	-	3NC2225-0MK	-
32 A	175 A <sup>2</sup> s	12.3 W	690 V/600 V	-	3NC1432-0MK	-	-
	220 A <sup>2</sup> s	12.3 W	690 V/440 V	-	-	-	-
	400 A <sup>2</sup> s	8.9 W	690 V/440 V	-	-	-	-
	420 A <sup>2</sup> s	9 W	690 V/600 V	-	-	3NC2232-0MK	-
	450 A <sup>2</sup> s	12 W	690 V/250 V	3NC1032-0MK	-	-	-
40 A	400 A <sup>2</sup> s	14.8 W	690 V/440 V	-	-	-	-
	470 A <sup>2</sup> s	11.7 W	690 V/440 V	-	3NC1440-0MK	-	-
	600 A <sup>2</sup> s	11 W	690 V/440 V	-	-	-	-
	700 A <sup>2</sup> s	12.5 W	690 V/440 V	-	-	3NC2240-0MK	-
	18500 A <sup>2</sup> s	9.4 W	1500 V/1000 V	-	-	-	3NC2340-0MK
50 A	830 A <sup>2</sup> s	16.3 W	690 V/250 V	-	3NC1450-0MK	-	-
	980 A <sup>2</sup> s	17.5 W	690 V/440 V	-	-	-	-
	1250 A <sup>2</sup> s	13.8 W	690 V/440 V	-	-	-	-
	1250 A <sup>2</sup> s	15.2 W	690 V/250 V	-	-	-	-
63 A	2050 A <sup>2</sup> s	18.8 W	690 V/440 V	-	-	-	-
	2400 A <sup>2</sup> s	17.5 W	690 V/250 V	-	-	-	-
80 A	4400 A <sup>2</sup> s	23 W	690 V/250 V	-	-	-	-
100 A	11500 A <sup>2</sup> s	28.7 W	690 V/250 V	-	-	-	-
<b>Further information</b>							
Screw fixing				-	-	-	-
Installation in SITOR fuse holders				3NC109.	3NC149.	3NC229.	3NC23
Installation in SITOR fuse bases				-	-	-	-
Further currents, operational class gS				-	-	-	See page 7/82
Further currents, operational class aR				-	-	-	See page 7/86

<sup>1)</sup> Observe 600 V DC voltage according to IEC, 700 V according to UL, time constant and minimum breaking current MBC.

<sup>2)</sup> DC voltage (IEC) at time constant 10 ms, VSI voltage 1150 V at time constant < 3 ms, UL voltage 1250 V at time constant 10 ms

<sup>3)</sup> DC voltage (IEC) at time constant 10 ms, VSI voltage 1150 V at time constant < 3 ms, UL voltage 1100 V at time constant 10 ms

With M8 bolt-on links  
Size 18 × 88 mm

Size 26 × 103 mm



-	-
-	-
-	-
-	-
-	-
-	-
-	-
3NC1810-0MK	-
-	-
-	-
-	-
-	-
3NC1816-0MK	-
-	-
3NC1820-0MK	-
-	-
-	-
-	3NC2625-0MK
-	-
3NC1825-0MK	-
-	-
-	-
-	3NC2632-0MK
3NC1832-0MK	-
-	-
-	-
-	3NC2640-0MK
-	-
3NC1840-0MK	-
-	-
-	-
-	3NC2650-0MK
3NC1850-0MK	-
-	-
-	3NC2663-0MK
-	-
-	-
-	-
■	■
-	-
3NH5723	3NH5023
-	-
-	-

# SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)

Operational class aR

Size 10 × 38 mm<sup>1)</sup>

Size 14 × 51 mm

Standard



With striker



$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	$U_n$ AC/DC			
1 A	1.2 A <sup>2</sup> s	5 W	660 V/–	–	3NC1401	–
2 A	10 A <sup>2</sup> s	3 W	660 V/–	–	3NC1402	–
3 A	8 A <sup>2</sup> s	1.2 W	600/700 V <sup>1)</sup>	3NC1003	–	–
	15 A <sup>2</sup> s	2.5 W	660 V/–	–	3NC1403	–
4 A	25 A <sup>2</sup> s	3 W	660 V/–	–	3NC1404	–
5 A	11 A <sup>2</sup> s	1.5 W	690/700 V <sup>1)</sup>	–	3NC1405	–
6 A	11 A <sup>2</sup> s	1.5 W	690/700 V <sup>1)</sup>	–	3NC1406	–
	20 A <sup>2</sup> s	1.5 W	600/700 V <sup>1)</sup>	3NC1006	–	–
8 A	30 A <sup>2</sup> s	2 W	600/700 V <sup>1)</sup>	3NC1008	–	–
10 A	22 A <sup>2</sup> s	4 W	690/700 V <sup>1)</sup>	–	3NC1410	–
	32 A <sup>2</sup> s	4 W	690/600 V <sup>1)</sup>	–	–	3NC1410-5
	60 A <sup>2</sup> s	2.5 W	600/700 V <sup>1)</sup>	3NC1010	–	–
12 A	110 A <sup>2</sup> s	3 W	600/700 V <sup>1)</sup>	3NC1012	–	–
15 A	63 A <sup>2</sup> s	5.5 W	690/600 V <sup>1)</sup>	–	–	3NC1415-5
	70 A <sup>2</sup> s	5.5 W	690/700 V <sup>1)</sup>	–	3NC1415	–
16 A	150 A <sup>2</sup> s	3.5 W	600/700 V <sup>1)</sup>	3NC1016	–	–
20 A	100 A <sup>2</sup> s	6 W	690/700 V <sup>1)</sup>	–	3NC1420	–
	200 A <sup>2</sup> s	4.8 W	600/700 V <sup>1)</sup>	3NC1020	–	–
	220 A <sup>2</sup> s	4.6 W	690/700 V <sup>1)</sup>	–	–	–
	234 A <sup>2</sup> s	6 W	690/600 V <sup>1)</sup>	–	–	3NC1420-5
	240 A <sup>2</sup> s	5 W	690/500 V <sup>1)</sup>	–	–	–
	25 A	250 A <sup>2</sup> s	6 W	600/700 V <sup>1)</sup>	3NC1025	–
30 A	300 A <sup>2</sup> s	5.6 W	690/700 V <sup>1)</sup>	–	–	–
	320 A <sup>2</sup> s	7 W	690/700 V <sup>1)</sup>	–	3NC1425	–
	350 A <sup>2</sup> s	6 W	690/500 V <sup>1)</sup>	–	–	–
	378 A <sup>2</sup> s	7 W	690/600 V <sup>1)</sup>	–	–	3NC1425-5
	400 A <sup>2</sup> s	9 W	690/700 V <sup>1)</sup>	–	3NC1430	–
32 A	466 A <sup>2</sup> s	9 W	690/600 V <sup>1)</sup>	–	–	3NC1430-5
	450 A <sup>2</sup> s	7 W	690/700 V <sup>1)</sup>	–	–	–
	500 A <sup>2</sup> s	7.5 W	660 V/–	3NC1032	–	–
	500 A <sup>2</sup> s	8 W	690/500 V <sup>1)</sup>	–	–	–
	600 A <sup>2</sup> s	7.6 W	690/700 V <sup>1)</sup>	–	3NC1432	–
	600 A <sup>2</sup> s	7.6 W	690/600 V <sup>1)</sup>	–	–	3NC1432-5
40 A	700 A <sup>2</sup> s	8.5 W	690/700 V <sup>1)</sup>	–	–	–
	750 A <sup>2</sup> s	8 W	690/600 V <sup>1)</sup>	–	–	3NC1440-5
	750 A <sup>2</sup> s	8 W	690/700 V <sup>1)</sup>	–	3NC1440	–
	800 A <sup>2</sup> s	9 W	690/500 V <sup>1)</sup>	–	–	–
<b>Further information</b>						
Screw fixing				–	–	–
Installation in SITOR fuse holders				3NC109.	3NC149.	3NC149.-5
Installation in SITOR fuse bases				–	–	–
Further currents, operational class gR				–	–	–
Further currents, operational class gS				–	–	–

<sup>1)</sup> Observe DC voltage acc. to UL, time constant and minimum breaking current MBC



# SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)

Operational class aR (continued)

$I_n$	Switch-off $I^2t$ value	Power loss $P_v$	$U_n$ AC/DC	Size 10 × 38 mm <sup>1)</sup>	Size 14 × 51 mm	With striker
					Standard 	
50 A	1350 A <sup>2</sup> s	9.5 W	690/700 V <sup>1)</sup>	–	–	–
	1500 A <sup>2</sup> s	9.5 W	690/500 V <sup>1)</sup>	–	–	–
	1800 A <sup>2</sup> s	9 W	690/600 V <sup>1)</sup>	–	–	–
	1800 A <sup>2</sup> s	9 W	690/700 V <sup>1)</sup>	–	3NC1450	3NC1450-5
	26000 A <sup>2</sup> s	11.6 W	1500/1000 V	–	–	–
63 A	2100 A <sup>2</sup> s	16.7 W	690/250 V	–	3NC1463-0MK <sup>2)</sup>	–
	2600 A <sup>2</sup> s	11 W	690/700 V <sup>1)</sup>	–	–	–
	3000 A <sup>2</sup> s	11 W	690/500 V <sup>1)</sup>	–	–	–
80 A	3500 A <sup>2</sup> s	22.5 W	690/440 V	–	–	–
	5500 A <sup>2</sup> s	13.5 W	690/700 V <sup>1)</sup>	–	–	–
	6000 A <sup>2</sup> s	13.5 W	690/500 V <sup>1)</sup>	–	–	–
100 A	5400 A <sup>2</sup> s	31.5 W	690/440 V	–	–	–
	8000 A <sup>2</sup> s	16 W	690/700 V <sup>1)</sup>	–	–	–
	8500 A <sup>2</sup> s	16 W	600/500 V <sup>1)</sup>	–	–	–
125 A	11800 A <sup>2</sup> s	39 W	690/440 V	–	–	–
	29000 A <sup>2</sup> s	35.3 W	690/250 V	–	–	–
<b>Further information</b>						
Screw fixing				–	–	–
Installation in SITOR fuse holders				3NC109.	3NC149.	3NC149.-5
Installation in SITOR fuse bases				–	–	–
Further currents, operational class gR				–	–	–
Further currents, operational class gS				–	–	–

<sup>1)</sup> Observe DC voltage acc. to UL, time constant and minimum breaking current MBC

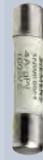
<sup>2)</sup>  $I_n = 63$  A cannot be used in the 3NC149. (3NC149. only permissible for max. 50 A)

Size 22 × 58 mm		Size 22 × 127 mm		Size 26 × 103 mm
Standard	With striker			With M8 bolt-on links
				
3NC2250	–	–	–	–
–	3NC2250-5	–	–	–
–	–	–	–	–
–	–	3NC2350-0MK	–	–
–	–	–	–	–
3NC2263	–	–	–	–
–	3NC2263-5	–	–	–
–	–	–	–	3NC2680-0MK
3NC2280	–	–	–	–
–	3NC2280-5	–	–	–
–	–	–	–	3NC2600-0MK
3NC2200	–	–	–	–
–	3NC2200-5	–	–	–
–	–	–	–	3NC2611-0MK
3NC2211-0MK	–	–	–	–
–	–	–	–	■
3NC229.	3NC229.-5	3NC23	–	–
–	–	–	–	3NH5023
–	–	<a href="#">See page 7/84</a>	–	–
–	–	<a href="#">See page 7/82</a>	–	–

# Photovoltaic fuse links

Cylindrical fuse de sign, operational class gPV

Size 10 × 38 mm



Size 10 × 85 mm



$I_n$ DC	Power loss $P_v$	Power loss $P_v$ at 70% <sup>1)</sup>	$U_n$ DC		
2 A	1.4 W	0.6 W	1000 V	3NW6002-4	–
4 A	1.6 W	0.7 W	1000 V	3NW6004-4	–
	2.7 W	1.1 W	1500 V	–	3NW6604-4
6 A	1.7 W	0.7 W	1000 V	3NW6001-4	–
	3.0 W	1.2 W	1500 V	–	3NW6601-4
8 A	1.9 W	0.8 W	1000 V	3NW6008-4	–
	3.6 W	1.5 W	1500 V	–	3NW6608-4
10 A	2.3 W	1.0 W	1000 V	3NW6003-4	–
	3.7 W	1.6 W	1500 V	–	3NW6603-4
12 A	2.7 W	1.1 W	1000 V	3NW6006-4	–
	3.3 W	1.4 W	1500 V	–	3NW6606-4
16 A	3.2 W	1.3 W	1000 V	3NW6005-4	–
	3.7 W	1.6 W	1500 V	–	3NW6605-4
20 A	3.4 W	1.4 W	1000 V	3NW6007-4	–
	4.0 W	1.7 W	1200 V	–	3NW6607-4
<b>Further information</b>					
Installation in fuse holders				3NW70...-4	3NW76...-4

<sup>1)</sup> Tested in fuse holders 3NW7013-4 and 3NW7613-4.

## LV HRC design, operational class gPV, with blade contacts without slots

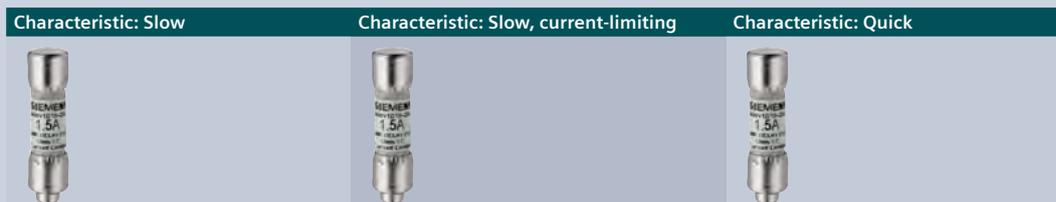


$I_n$ DC	Power loss $P_v$	$U_n$ DC	Size 1	Size 1L	Size 2L	Size 3L	Size 1XL	Size 2XL
63 A	19 W	1000 V	3NE1218-4	–	–	–	–	–
	20 W	1500 V	–	–	–	–	3NE1218-5E	–
80 A	20 W	1000 V	3NE1220-4	–	–	–	–	–
	25 W	1500 V	–	–	–	–	3NE1220-5E	–
100 A	24 W	1000 V	3NE1221-4	–	–	–	–	–
	30 W	1500 V	–	–	–	–	3NE1221-5E	–
125 A	26 W	1000 V	3NE1222-4	–	–	–	–	–
	29 W	1500 V	–	–	–	–	3NE1222-5E	–
160 A	32 W	1000 V	3NE1224-4	–	–	–	–	–
	34 W	1500 V	–	–	–	–	3NE1224-5E	–
200 A	41 W	1500 V	–	–	–	–	3NE1225-5E	–
	51 W	1000 V	–	3NE1225-4D	–	–	–	–
250 A	53 W	1500 V	–	–	–	–	–	3NE1327-5E
	54 W	1000 V	–	3NE1227-4D	–	–	–	–
315 A	63 W	1500 V	–	–	–	–	–	3NE1330-5E
	73 W	1000 V	–	–	3NE1330-4D	–	–	–
400 A	82 W	1000 V	–	–	3NE1332-4D	–	–	–
			–	–	3NE1332-4F <sup>1)</sup>	–	–	–
500 A	100 W	1000 V	–	–	–	3NE1434-4E	–	–
630 A	110 W	1000 V	–	–	–	3NE1436-4E	–	–

<sup>1)</sup> With slotted blade contacts for screw fixing, connection dimension = 150 mm

# Class CC fuse links

Acc. to UL



$I_n$	$I_n^{1)}$			
0.6 A	6/10 A	3NW1006-0HG	–	–
0.8 A	8/10 A	3NW1008-0HG	–	–
1 A	–	3NW1010-0HG	3NW3010-0HG	3NW2010-0HG
1.5 A	1.5 A	3NW1015-0HG	–	–
2 A	–	3NW1020-0HG	3NW3020-0HG	3NW2020-0HG
2.5 A	–	3NW1025-0HG	–	–
3 A	–	3NW1030-0HG	3NW3030-0HG	3NW2030-0HG
4 A	–	3NW1040-0HG	3NW3040-0HG	3NW2040-0HG
5 A	–	3NW1050-0HG	3NW3050-0HG	3NW2050-0HG
6 A	–	3NW1060-0HG	3NW3060-0HG	3NW2060-0HG
7.5 A	–	3NW1075-0HG	–	–
8 A	–	3NW1080-0HG	3NW3080-0HG	3NW2080-0HG
10 A	–	3NW1100-0HG	3NW3100-0HG	3NW2100-0HG
12 A	–	–	3NW3120-0HG	3NW2120-0HG
15 A	–	3NW1150-0HG	3NW3150-0HG	3NW2150-0HG
20 A	–	3NW1200-0HG	3NW3200-0HG	3NW2200-0HG
25 A	–	3NW1250-0HG	3NW3250-0HG	3NW2250-0HG
30 A	–	3NW1300-0HG	3NW3300-0HG	3NW2300-0HG

#### Further information

Installation in fuse holders	3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG	3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG	3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG
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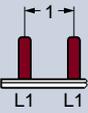
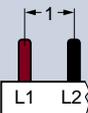
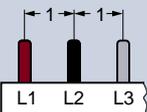
<sup>1)</sup> American English wording



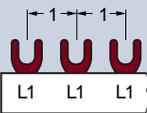
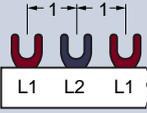
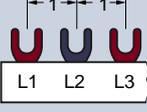
# Busbars

According to IEC, can be cut

## Pin spacing 1 MW

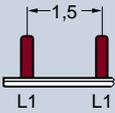
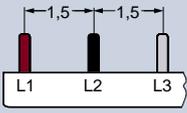
Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	Article No.
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm <sup>2</sup>	5ST3700
		1016 mm	Without end caps	16 mm <sup>2</sup>	5ST3701
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm <sup>2</sup>	5ST3704
		1016 mm	Without end caps	16 mm <sup>2</sup>	5ST3705
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm <sup>2</sup>	5ST3708
		1016 mm	Without end caps	16 mm <sup>2</sup>	5ST3710

## Fork spacing 1 MW

Fork spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	Article No.
	For MINIZED D01 fuse switch disconnectors	1000 mm	Without end caps	16 mm <sup>2</sup>	5ST2190
	For MINIZED D01 fuse switch disconnectors	1000 mm	Without end caps	16 mm <sup>2</sup>	5ST2191
	For MINIZED D01 fuse switch disconnectors	1000 mm	Without end caps	16 mm <sup>2</sup>	5ST2192

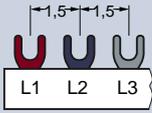
According to IEC, can be cut

### Pin spacing 1.5 MW

Pin spacing in MW (1.5 MW = 27 mm)	Application	Length	Version	Conductor cross-section	Article No.
1-phase, angled 90°					
	For 5SG71.3 MINIZED D02 switch disconnectors with fuses For NEOZED D01/D02 fuse bases made of molded plastic 5SG1301, 5SG1701, 5SG1302, 5SG1702 For NEOZED D01/D02 fuse bases made of ceramic with saddle terminals For cylindrical fuse holders 14 × 51 mm, 3NW7111 For SITOR cylindrical fuse holders 14 × 51 mm, 3NC1491	1016 mm	Without end caps	16 mm <sup>2</sup>	5ST3703
3-phase					
	For 5SG71.3 MINIZED D02 switch disconnectors with fuses For NEOZED D01/D02 fuse bases made of molded plastic 5SG5301, 5SG5701, 5SG5302, 5SG5702 For NEOZED D01/D02 fuse bases made of ceramic with saddle terminals For cylindrical fuse holders 14 × 51 mm, 3NW7131 For SITOR cylindrical fuse holders 14 × 51 mm, 3NC1493	1016 mm	Without end caps	16 mm <sup>2</sup>	5ST3714

7

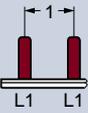
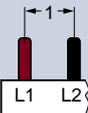
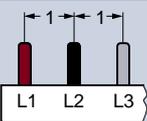
### Fork spacing 1.5 MW

Fork spacing in MW (1.5 MW = 27 mm)	Application	Length	Version	Conductor cross-section	Article No.
1-phase					
	For NEOZED D01/D02 fuse bases made of ceramic with clamp-type terminal and screw head contacts	1000 mm	Without end caps, non-insulated	36 mm <sup>2</sup>	5SH5322
3-phase					
	For NEOZED D01/D02 fuse bases made of ceramic with clamp-type terminals and screw head contacts	1000 mm	Without end caps	16 mm <sup>2</sup>	5SH5320

# Busbars

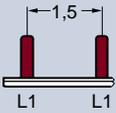
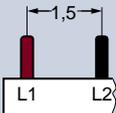
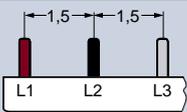
According to UL 508, can be cut

## Pin spacing 1 MW

Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	Article No.
1-phase 	For Class CC fuse holders 10 × 38 mm (3NC1091, 3NW7513-0HG)	1000 mm	Without end caps	18 mm <sup>2</sup>	5ST3701-0HG
2-phase 	For Class CC fuse holders 10 × 38 mm (3NC1092, 3NW7523-0HG)	1000 mm	Without end caps	18 mm <sup>2</sup>	5ST3705-0HG
3-phase 	For Class CC fuse holders 10 × 38 mm (3NC1093, 3NW7533-0HG)	1000 mm	Without end caps	18 mm <sup>2</sup>	5ST3710-0HG

According to UL 508, can be cut

### Pin spacing 1.5 MW

Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	Article No.
1-phase 	For fuse holders 14 × 51 mm (3NC1491, 3NW7111)	1000 mm	Without end caps	18 mm <sup>2</sup>	5ST3703-0HG
				25 mm <sup>2</sup>	5ST3701-2HG
2-phase 	For fuse holders 14 × 51 mm (3NC1492, 3NW7121)	1000 mm	Without end caps	25 mm <sup>2</sup>	5ST3705-2HG
3-phase 	For fuse holders 14 × 51 mm (3NC1493, 3NW7131)	1000 mm	Without end caps	18 mm <sup>2</sup>	5ST3714-0HG
				25 mm <sup>2</sup>	5ST3710-2HG

# Busbars

## Accessories

### For busbars according to IEC

Terminals			
	<ul style="list-style-type: none"> <li>For NEOZED D01/D02 fuse bases made of ceramic</li> <li>For DIAZED DII/DIII fuse bases made of ceramic</li> </ul>		
	Terminal version	Conductor cross-section	Article No.
	Terminal version S	2 ... 25 mm <sup>2</sup>	5SH5327
	Terminal versions B and K	6 ... 25 mm <sup>2</sup>	5SH5328
	Touch protection		
	<ul style="list-style-type: none"> <li>For free connections, yellow (RAL 1004) 5 × 1 pin</li> </ul>		
			Article No.
			5ST3655
End caps			
	Version	For busbar type	Article No.
	For 1-phase busbars	5ST2190	5ST2196
		5ST37 and 5SH55	5ST3748
	For 2-phase and 3-phase busbars	5ST2191 and 5ST2192	5ST2197
		5ST37 and 5SH5320	5ST3750
			

## For busbars according to UL 508

### Terminals according to UL 508



Version	Infeed	Article No.
For busbars 35 mm <sup>2</sup>	Device	5ST3770-0HG
For busbars 30 mm <sup>2</sup>	Busbar	5ST3770-1HG

### Busbar touch protection according to UL 508



- For free connections, yellow (RAL 1004) 5 × 1 pin

Article No.
5ST3655-0HG

### End caps for 5ST37. ..HG



Version	Article No.
For 1-phase busbars	5ST3748-0HG
For 2 and 3-phase busbars	5ST3750-0HG

7

# LV HRC signal detectors, electronic fuse monitoring

## LV HRC signal detectors



- Only for SIEMENS 3NA3, 3NA7, 3ND LV HRC fuse links with non-insulated grip lugs
- Rated voltage of up to 690 V AC/600 V DC
- Contact: Microswitches 250 V AC, 6 A
- Connection: flat male tab A 2.8 × 0.5 mm acc. to DIN EN 61210; VDE 0613-6 from 2011

Fuse size	Article No.
000 ... 4	3NX1021

## Signal detector links



- Rated voltage of up to 690 V AC/600 V DC

Fuse size	Response value	Application	Article No.
000 ... 4	> 9 V/2.5 A	For standard applications	3NX1022
	> 2 V/7 A	Only for meshed networks	3NX1023

## Signal detector tops



- Only for SIEMENS 3NA3, 3NA7, 3ND LV HRC fuse links with non-insulated grip lugs
- Rated voltage of up to 690 V AC/600 V DC
- Contact: Microswitch 230 V AC, 5 A, 1 CO
- Connection: flat connector 2.3 mm

Fuse size	Article No.
000, 00, 1, 2	3NX1024

## Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

$U_e$ AC	$I_n$	$U_c$	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

## Electronic fuse monitor for remote display of tripped fuses



- Remote display by auxiliary contact (1 CO)
- Local detection by integrated LED
- For all sizes
- For 3KF LV HRC and 3KF SITOR

$U_e$ AC	$I_n$	$U_c$	Article No.
230 V	1.5 A	3 AC 690 V	3KF9010-1AA00

